

The following is a more detailed description of the experiment described on page 3 of the notebook submitted as part of Exhibit C. On page 3 of the notebook, a mixture of English and Dutch is used. Dutch words that are used in the notebook are shown here in parentheses for clarification. Also, the various steps of the method of Claim 1 are identified in brackets.

$5 \cdot 10^6$  cells containing B and T lymphocytes (cellen: B + T) were mixed with 1 ml of the phage (faag) library containing approximately  $10^{13}$  phage particles. [step(a)] The cells were allowed to incubate overnight at 4°C under slow rotation. [step(b)] The cells were spun down at 1200 rpm, resuspended in 50 ml PBS and spun for 10 minutes at 1200 rpm to remove unbound phages. The cells were subsequently resuspended in 50 µl anti-CD3 antibody conjugated to the fluorochrome FITC and 50 µl of anti-CD20 antibody conjugated to the fluorochrome PE. The mixture was incubated for 30 minutes (30') on ice (ijs), washed twice as before (2 x wassen als boven), resuspended (opnemen) in 1 ml PBS containing foetal calf serum.

The mixture was subsequently subjected to flow cytometry and cell sorting (FACSSORT). [step (c)] Cells from the sorter are collected (opgevanger) in 100 µl PBS. Collected are: B cells, T cells, eosinophils and 'all cells' (B, T, Eo's, Alles). The number of cells sorted is 1, 10, 100, 1,000, 10,000. The phages are eluted from the cells by adding 150 µl of 76 mM citric acid (citroenzuur) mixed (mengen) and incubated for 5 minutes at room temperature (KT). [step (d)] 200 µl of 1 M Tris was added (gepipetteerd) and 1 ml of 2TY medium was then added. 2 ml of bacterial culture in log phase of growth (logcultuur) with an optical density of 600 was added. The mixture was incubated for 30 minutes at 37°C. The mixture was spun for 20 minutes at 2000 rpm and the

supernatant was almost completely removed (sup bina wegzulgen). The mixture was then plated out (uitplaten).

The results are shown in Table 1 on page 4. Table 2 shows the results of a second experiment. Table 1 shows the number of cells that were sorted in the top row and the type of cell that was sorted in the first column. The numbers represent the number of bacterial colonies obtained in each experiment. The numbers from Table 1 can also be found in the article by deKruif et al., *Proc Natl Acad Sci U S A* 92:3938-42 (1995).

1. *Chlorophyll a* and *Chlorophyll b* content of the leaves was determined by the method of Arnon and Whistler (1949).

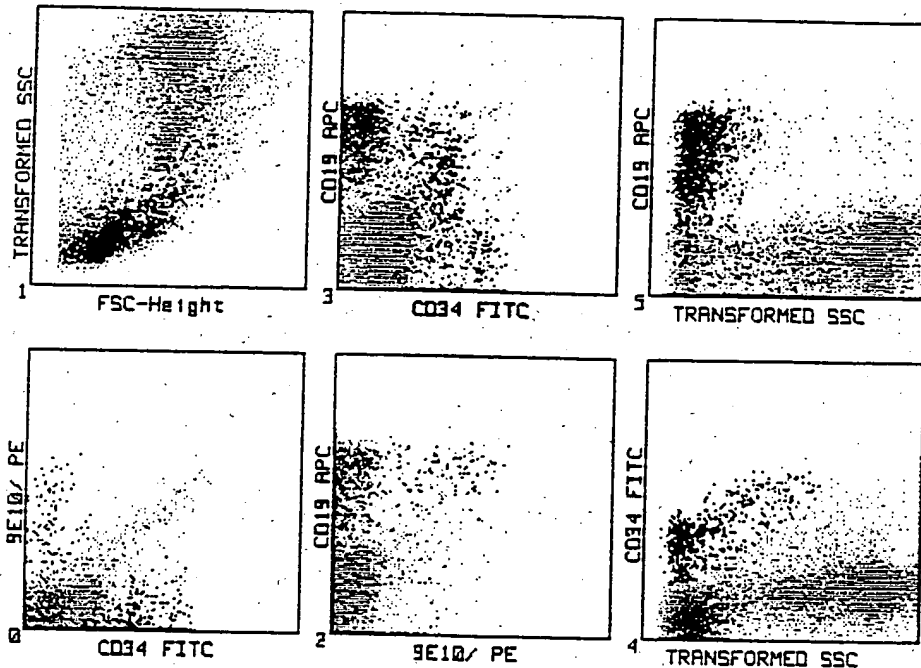
$\sim 4 \times 10^5$  cells/test, 5% PT Acquired

Stepar Perch

APC

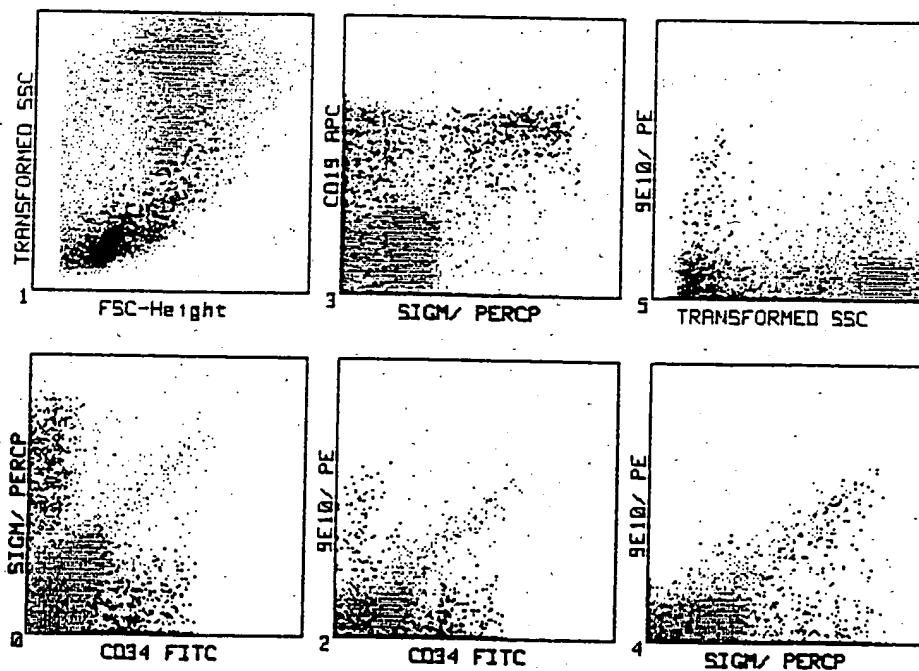
PAINT-A-GATE (TM) Mode ☒ File: #12:MN09014024  
 % 3.4 2.3 11.3 0.0 0.1 5.4 1.1 70.4  
 RG/BVCMO gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E A ^)

Dots = 10000  
 250 0



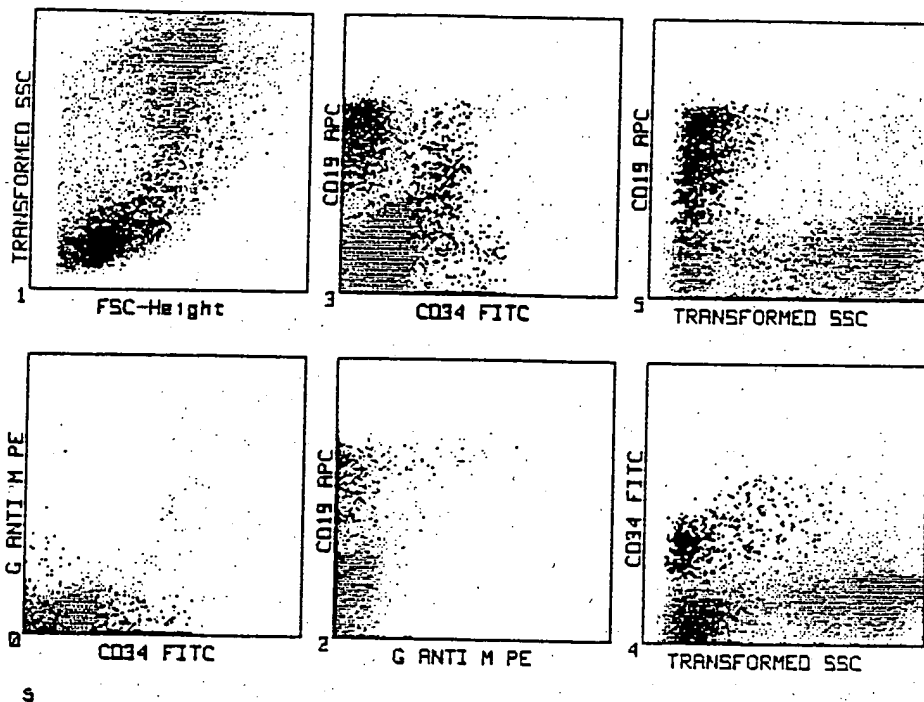
PAINT-A-GATE (TM) Mode ☒ File: #12:MN09014024  
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 RG/BVCMO gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E A ^)

Dots = 10000  
 250 0



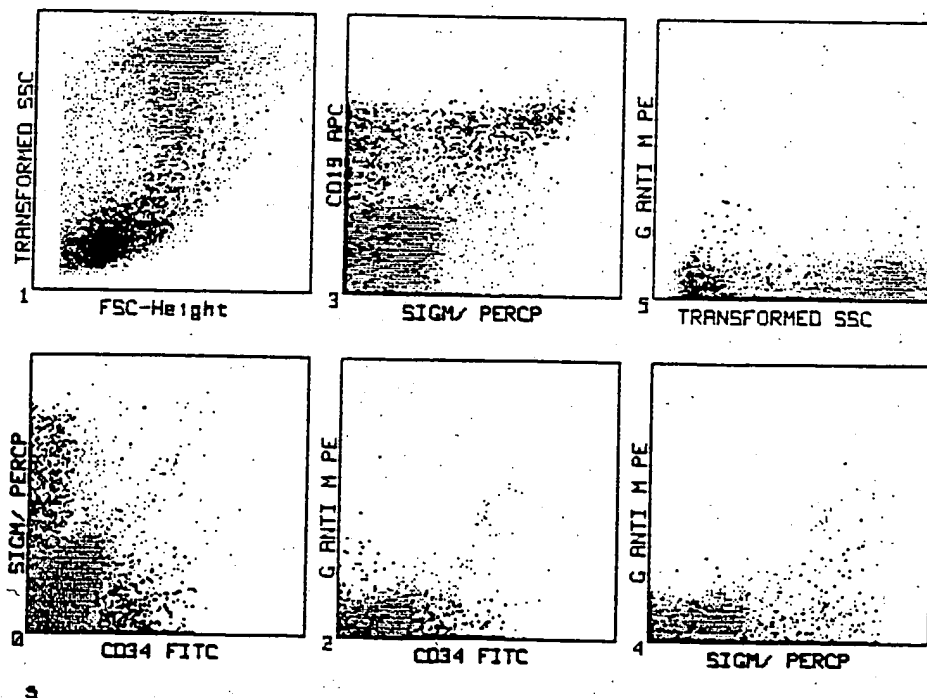
PAINT-A-GATE (TM) Mode **++** File: #12:MN09014026  
 X= 3.7 2.7 13.3 0.0 0.0 7.2 0.3 72.9  
 RG/BVCW0 gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E R ^)


Dots = 10000  
 250 0



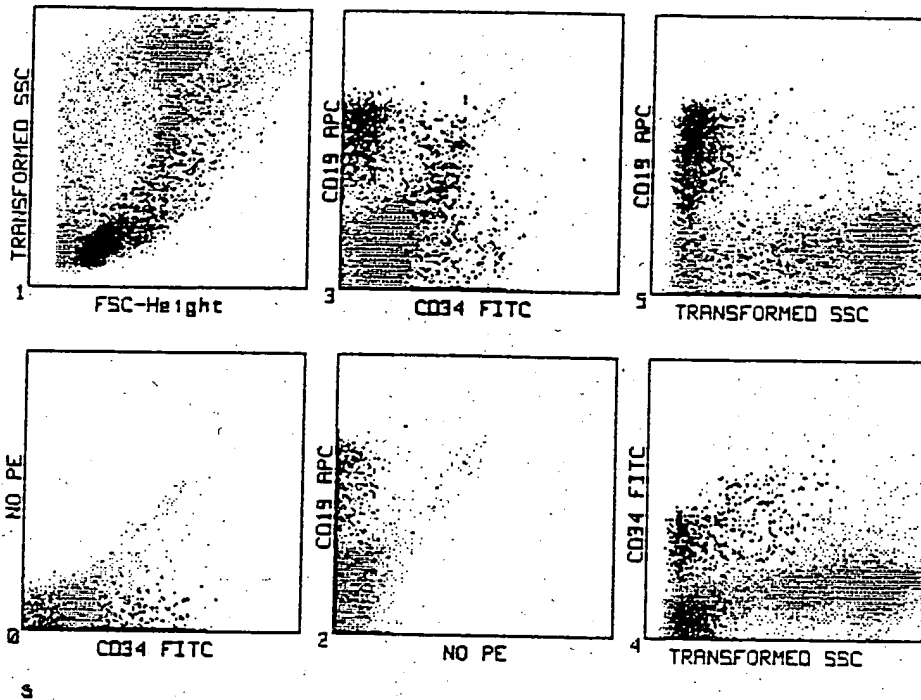
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 X= 3.7 2.7 13.3 0.0 0.0 7.2 0.3 72.9  
 RG/BVCW0 gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E R ^)


Dots = 10000  
 250 128



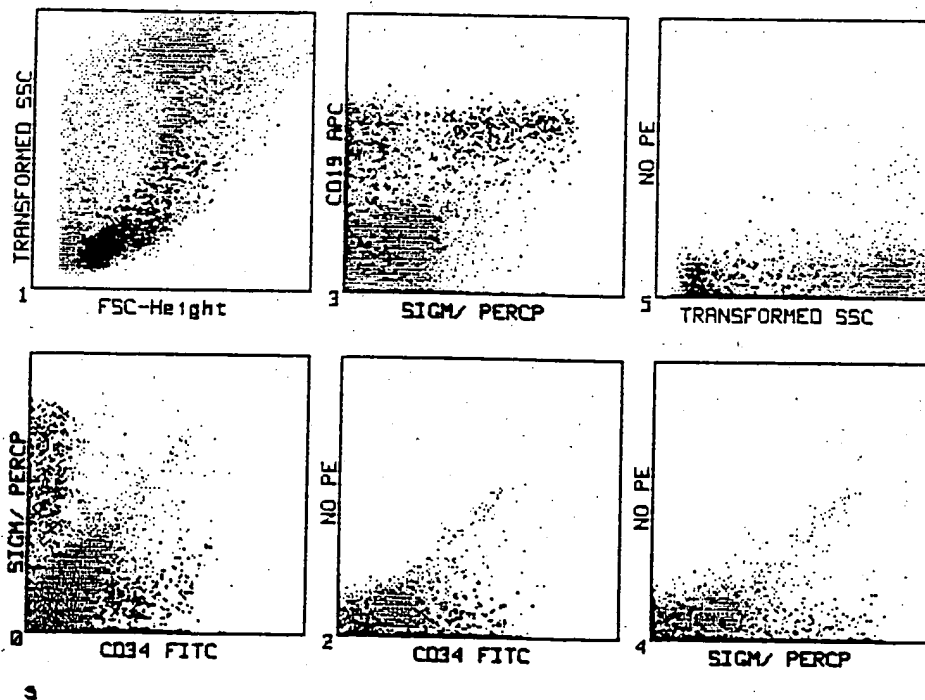
PAINT-A-GATE (TM) Mode  File: #12:MN09014028  
 z= 2.8 2.7 11.2 0.0 0.0 6.3 0.1 70.9  
 RGVBYCWO gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E A ^)

Dots = 10000  
 250 0



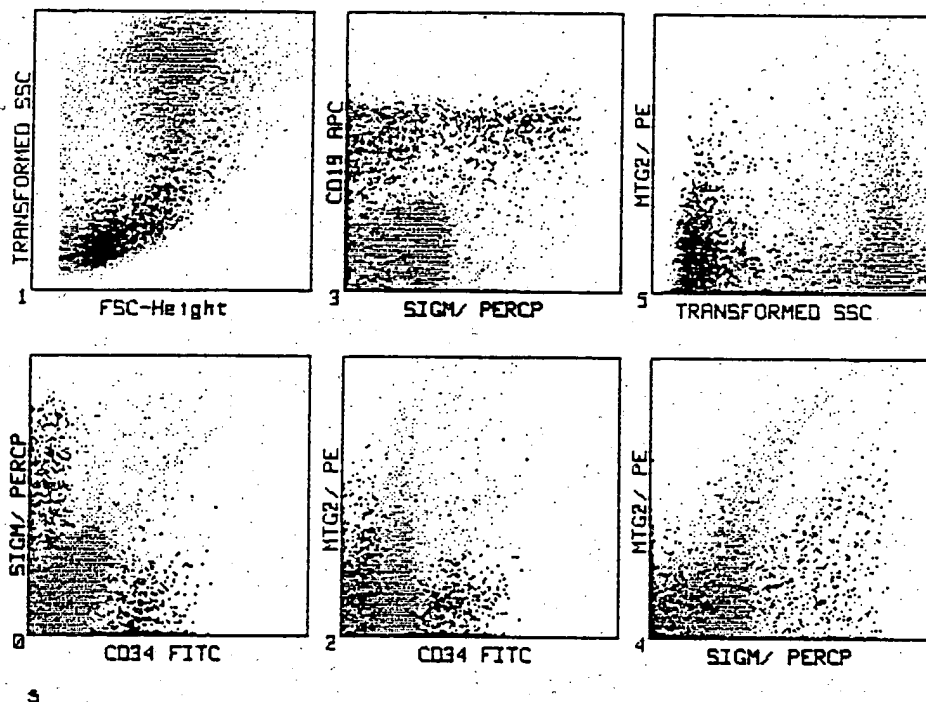
PAINT-A-GATE (TM) Mode  File: #12:MN09014028  
 z= 2.8 2.7 11.2 0.0 0.0 6.3 0.1 70.9  
 RGVBYCWO gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E A ^)

Dots = 10000  
 250 0



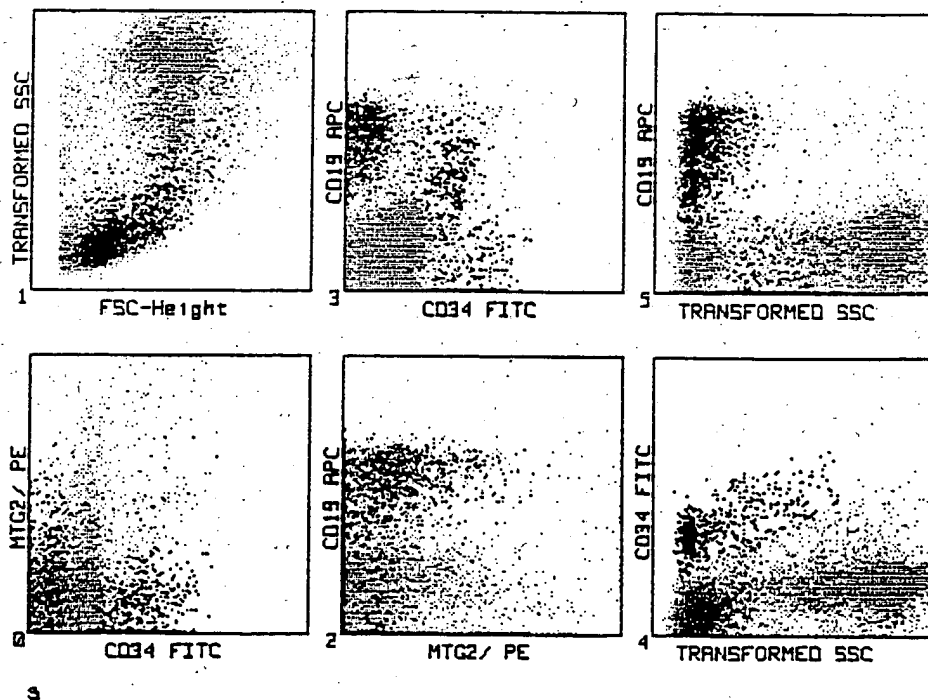
PAINT-A-GATE (TM) Mode ☒ File: #12:MNG9014022  
 X= 3.3 2.4 13.1 0.1 1.5 4.8 0.4 74.5  
 RG/BVCM0 gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E A ^!! !

Dots = 10000  
 122 250



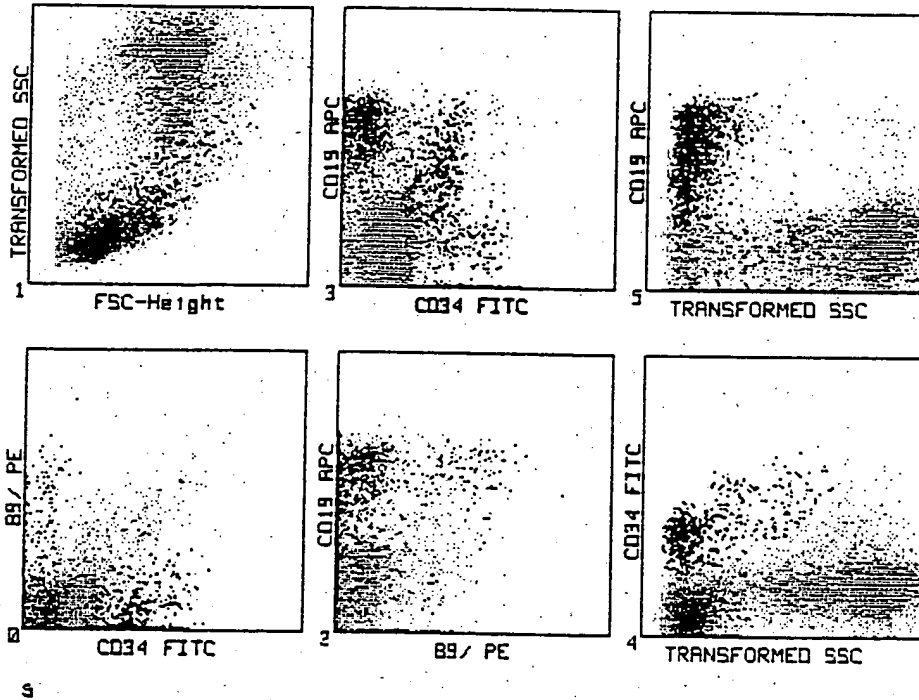
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 X= 3.3 2.4 13.1 0.1 1.5 4.8 0.4 74.5  
 RG/BVCM0 gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's (E A ^!! !

Dots = 10000  
 250 0



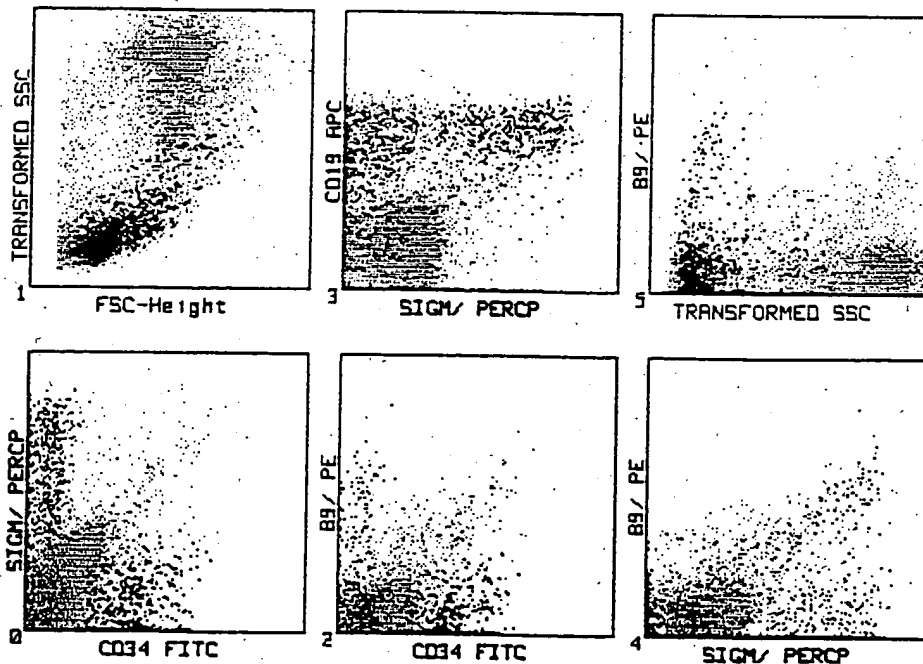
PRINT-A-GATE (TM) Mode **++** File: #12:MN09014030  
 Z= 3.4 1.9 12.7 0.2 0.0 5.2 1.2 75.4  
 RG/BVCW0 gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's IE A ^ !

Dots = 10000  
 250 0



PRINT-A-GATE (TM) Mode **++** File: #12:MN09014030  
 Z= 3.4 1.9 12.7 0.2 0.0 5.2 1.2 75.4  
 RG/BVCW0 gate; +- mode; <> size  
 0-5 plot; FZHXPMUS's IE A ^ !

Dots = 10000  
 250 128





PAINT-A-GATE (TM) Mode ☒ File: #12:MN09014032

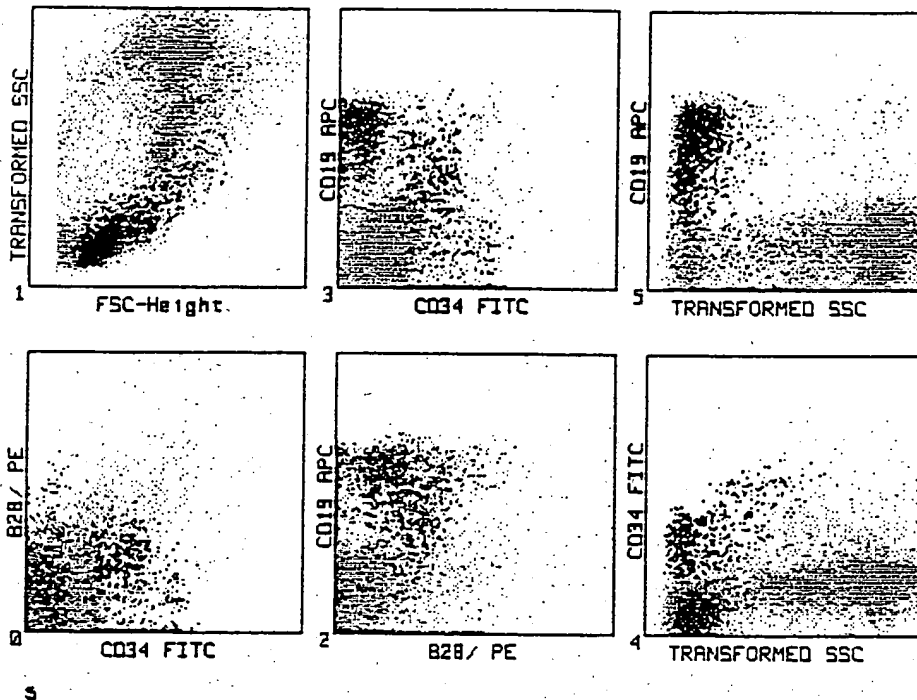
Dots = 10000

X= 3.1 2.2 11.7 0.0 0.0 5.5 0.6 78.9

250 0

RG/BVCH0 gate; +- mode; <> size

0-5 plot; FZHXPMUS's (E A ^)



PAINT-A-GATE (TM) Mode ☒ File: #12:MN09014032

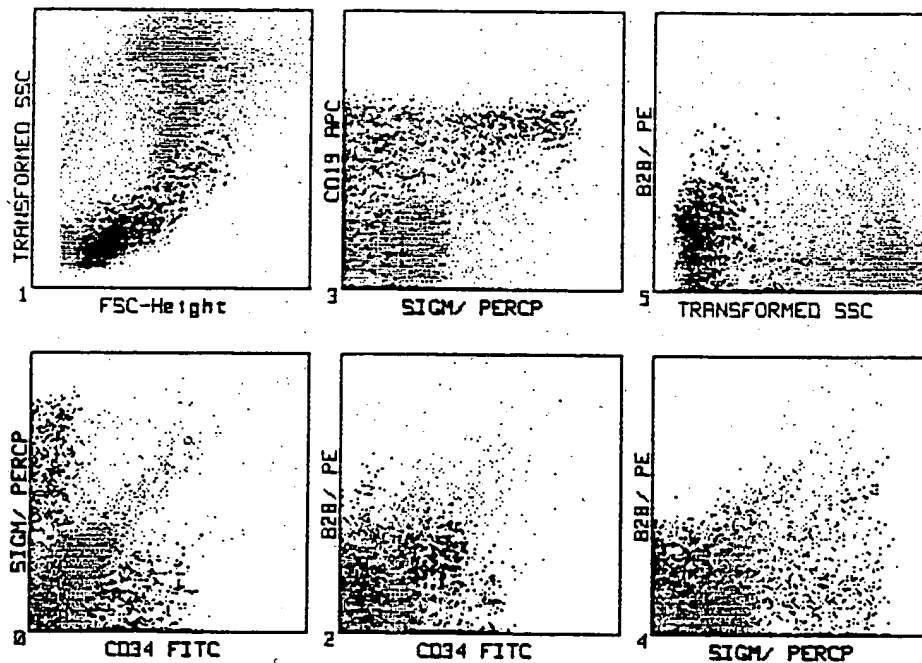
Dots = 10000

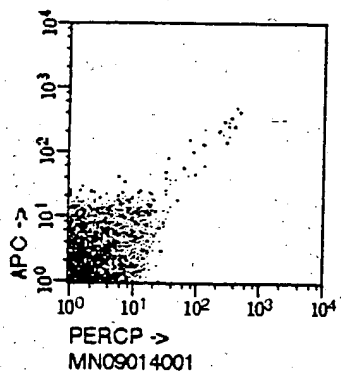
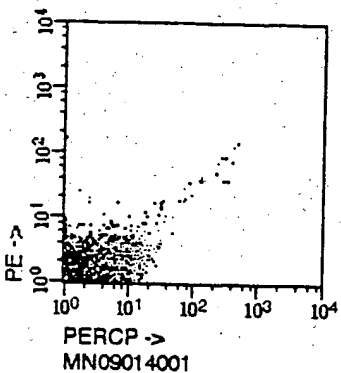
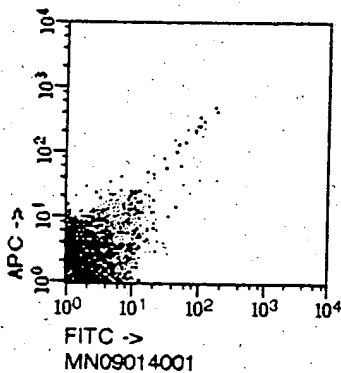
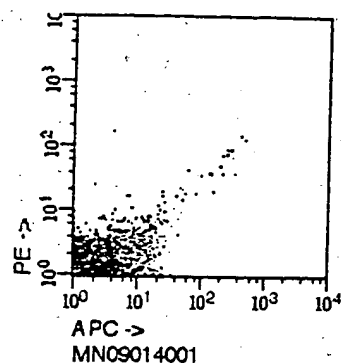
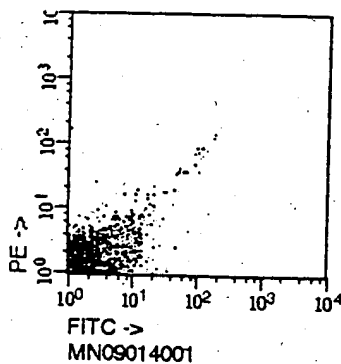
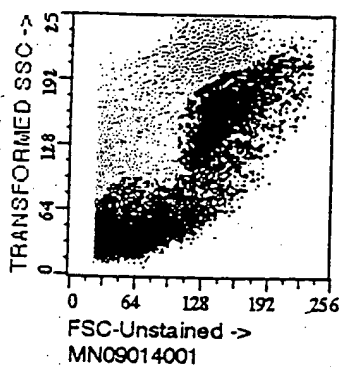
X= 3.1 2.2 11.7 0.0 0.0 5.5 0.6 78.9

250 0

RG/BVCH0 gate; +- mode; <> size

0-5 plot; FZHXPMUS's (E A ^)





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*****
Method      : MN09014set1
File        : MN09014001
Sample ID   : 
Acquired    : 
*****

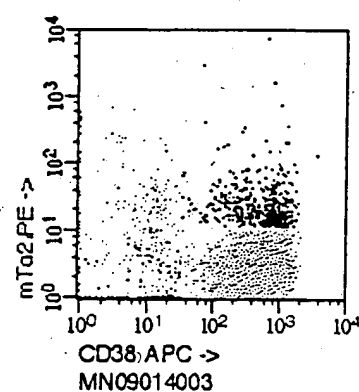
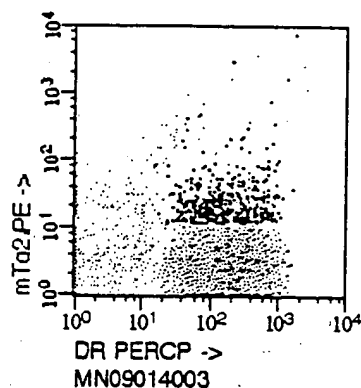
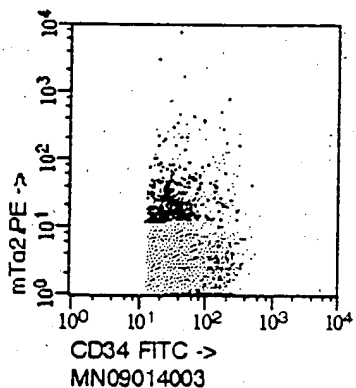
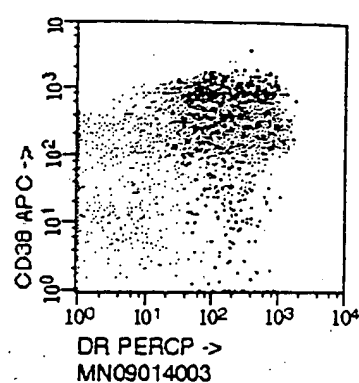
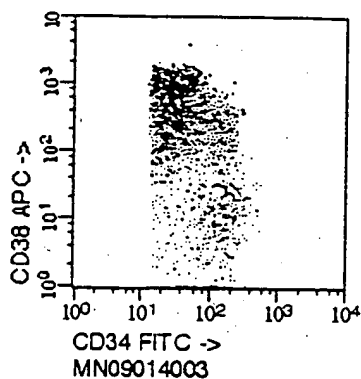
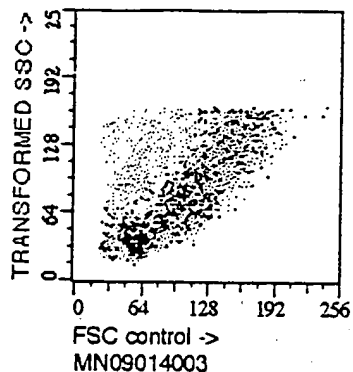
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Total Events      20000
Total Gated Events 20000

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		Green Events		
% of Gated Events		44.72		
Parameter	Mean	SD	CV	
PE	3.00	7.93	264.46	
		Blue Events		
% of Gated Events		16.28		
Parameter	Mean	SD	CV	
PE	7.56	14.35	189.77	
		Yellow Events		
% of Gated Events		32.87		
Parameter	Mean	SD	CV	
PE	8.89	14.02	157.70	
		Unclassified Events		
% of Gated Events		6.12		
Parameter	Mean	SD	CV	
PE	10.10	21.46	212.42	



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*****
Method      : MN09014set1
File        : MN09014003
Sample ID   : 
Acquired    : 
*****

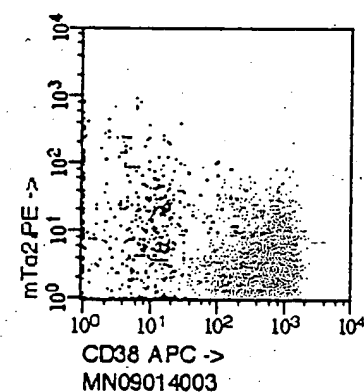
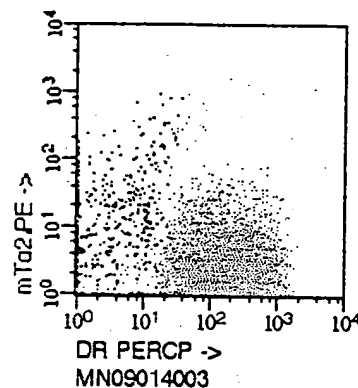
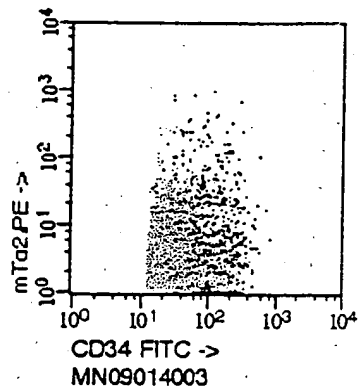
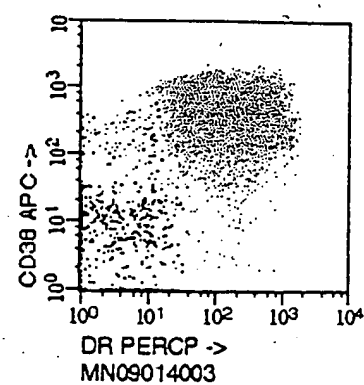
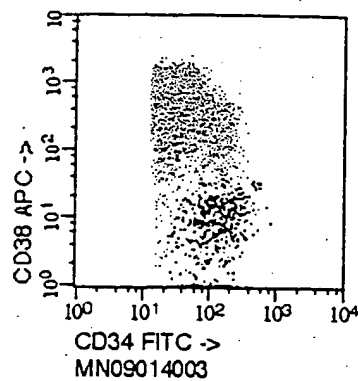
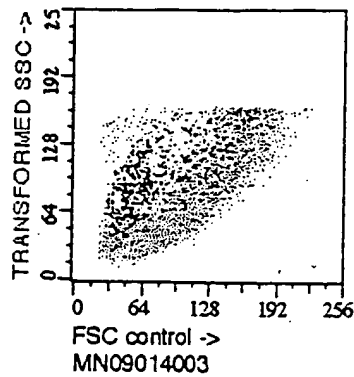
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Total Events      10037
Total Gated Events 10037

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		mTq2-/CD38-/DR+		
% of Gated Events		1.01		
Parameter		Mean	SD	CV
mTq2/PE		12.49	16.97	135.86
		mTq2+/CD38-/DR+		
% of Gated Events		0.08		
Parameter		Mean	SD	CV
mTq2/PE		125.33	34.19	27.28
		mTq2+/CD38+/DR+		
% of Gated Events		4.02		
Parameter		Mean	SD	CV
mTq2/PE		89.97	22.17	24.64
		mTq2-/CD38+/DR+		
% of Gated Events		79.77		
Parameter		Mean	SD	CV
mTq2/PE		15.92	19.05	119.62
		Unclassified Events		
% of Gated Events		15.09		
Parameter		Mean	SD	CV
mTq2/PE		42.90	50.20	117.00



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* * * * *
Method      : MN09014set1
File        : MN09014003
Sample ID   : 
Acquired    : 
* * * * *

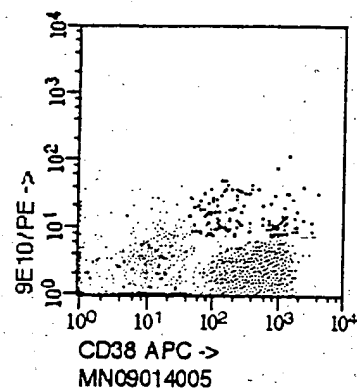
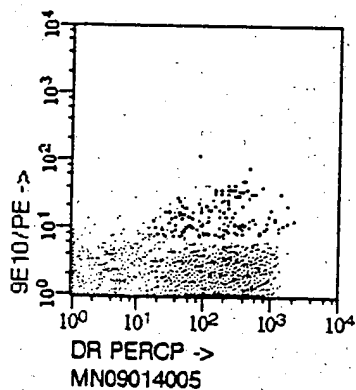
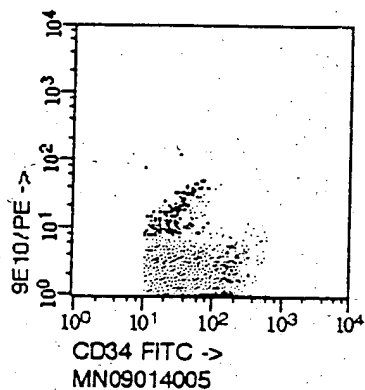
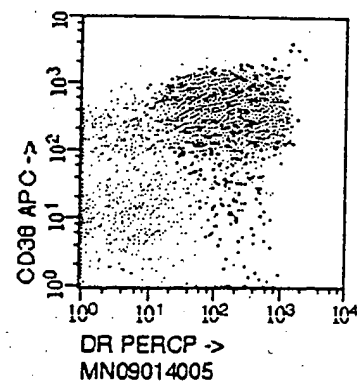
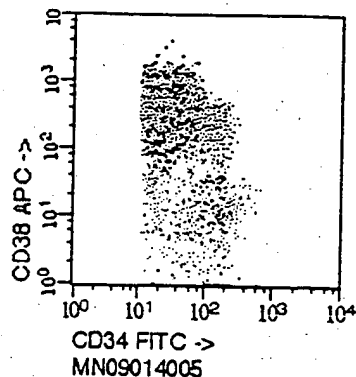
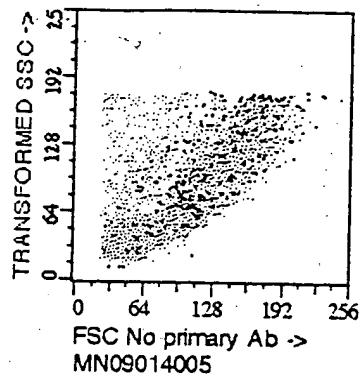
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Total Events      10037
Total Gated Events 10037

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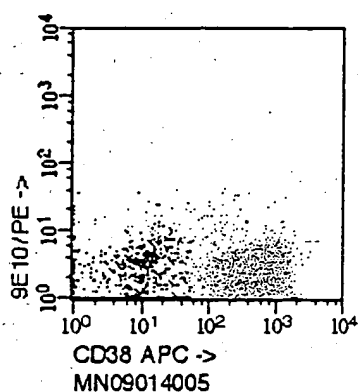
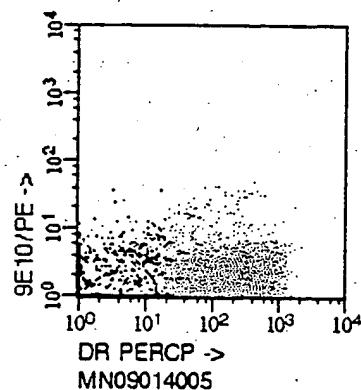
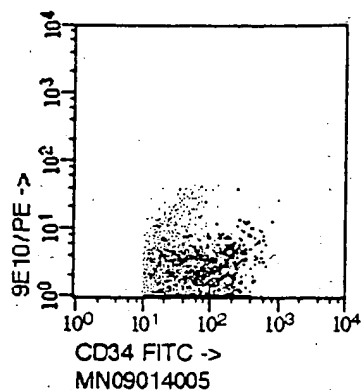
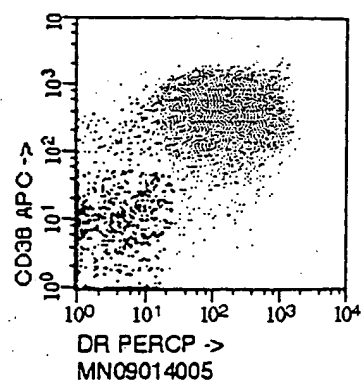
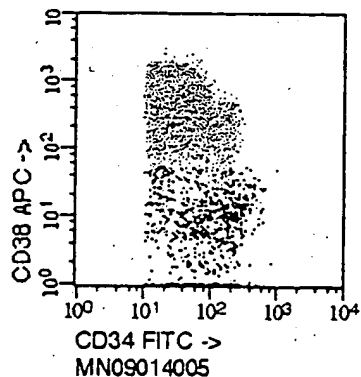
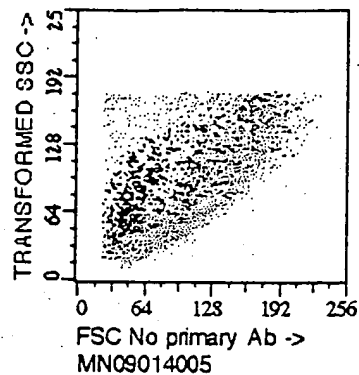
		mTq2-/CD38-/DR (red)		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2/PE	27.81	20.15	72.43
		mTq2+/CD38-/DR (green)		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2/PE	100.15	31.42	31.37
		mTq2+/CD38+/DR (blue)		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2/PE	85.84	23.82	27.74
		mTq2-/CD38+/DR (yellow)		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2/PE	11.06	15.88	143.63
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2/PE	21.45	29.44	137.22



Method : MN09014set1  
File : MN09014005  
Sample ID :   
Acquired :   
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Total Events 10060  
Total Gated Events 10060

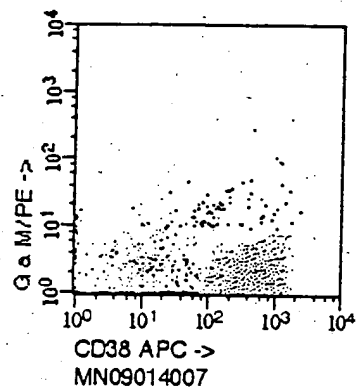
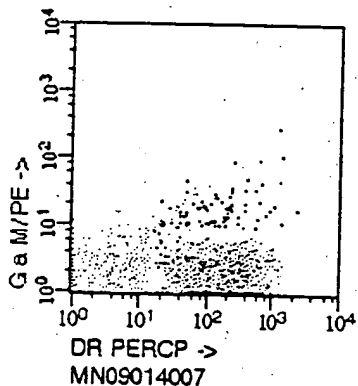
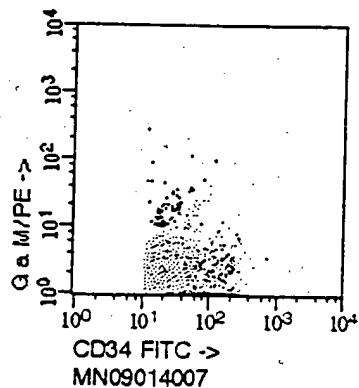
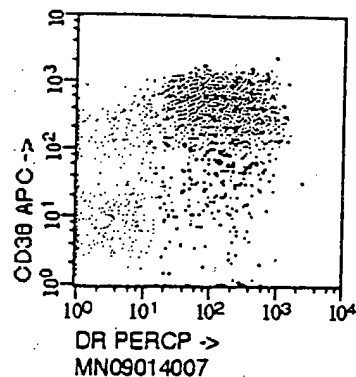
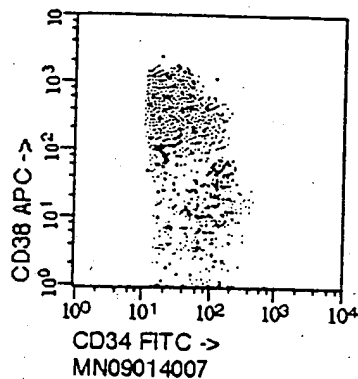
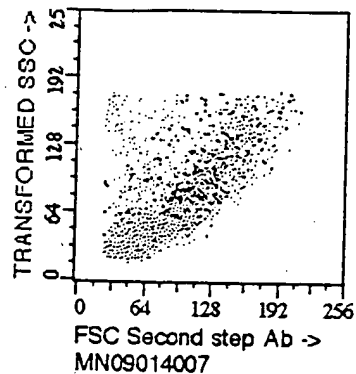
		PE-/CD38-/DR+		
% of Gated Events	Parameter	Mean	SD	CV
9E10/ PE		7.67	13.58	176.93
		PE+/CD38-/DR+		
% of Gated Events	Parameter	Mean	SD	CV
9E10/ PE		75.00	--	--
		PE+/CD38+/DR+		
% of Gated Events	Parameter	Mean	SD	CV
9E10/ PE		75.70	15.50	20.48
		PE-/CD38+/DR+		
% of Gated Events	Parameter	Mean	SD	CV
9E10/ PE		8.68	13.46	154.92
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
9E10/ PE		19.22	25.06	130.33



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Method : MN09014set1  
File : MN09014005  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 10060  
Total Gated Events 10060

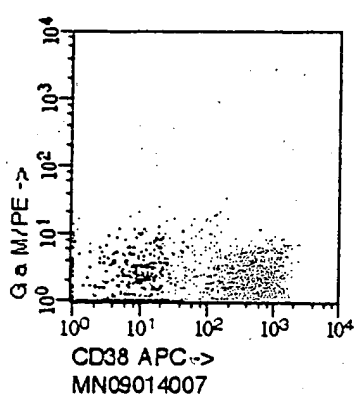
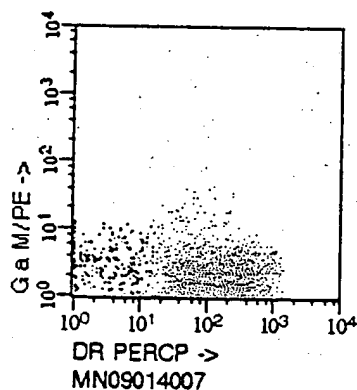
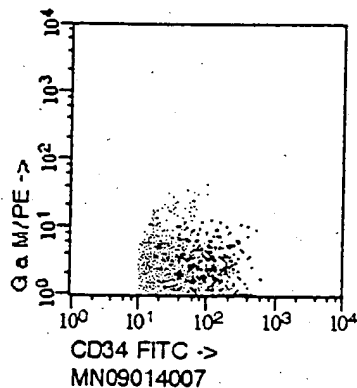
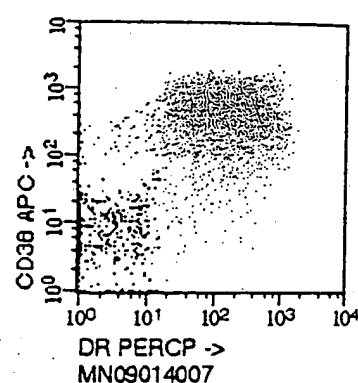
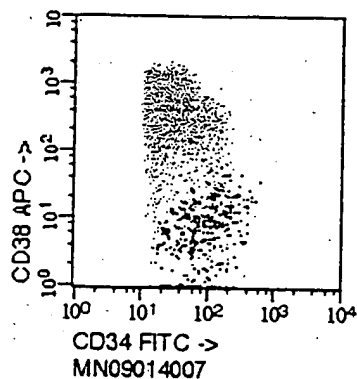
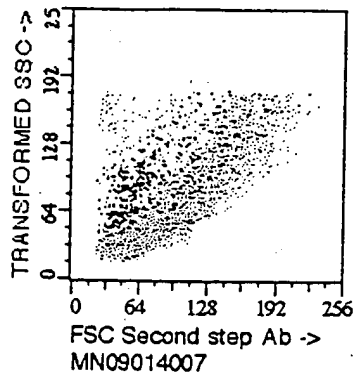
		PE-/CD38-/DR-(red)		
% of Gated Events	Parameter	Mean	SD	CV
	9E10/ PE	16.46	18.30	111.16
		PE+/CD38-/DR-(green)		
% of Gated Events	Parameter	Mean	SD	CV
	9E10/ PE	72.10	12.80	17.76
		PE+/CD38+/DR-(blue)		
% of Gated Events	Parameter	Mean	SD	CV
	9E10/ PE	72.00	---	---
		PE-/CD38+/DR-(yellow)		
% of Gated Events	Parameter	Mean	SD	CV
	9E10/ PE	6.55	11.93	181.99
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	9E10/ PE	11.07	18.03	162.93



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014007  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 6029  
Total Gated Events 6029

		PE-/CD38-/DR+(red)		
% of Gated Events	Parameter	Mean	SD	CV
	G a M/ PE	11.44	15.56	136.04
		PE+/CD38-/DR+(green)		
% of Gated Events	Parameter	Mean	SD	CV
	G a M/ PE	73.50	6.95	9.45
		PE+/CD38+/DR+(blue)		
% of Gated Events	Parameter	Mean	SD	CV
	G a M/ PE	81.68	17.97	22.01
		PE-/CD38+/DR+(yellow)		
% of Gated Events	Parameter	Mean	SD	CV
	G a M/ PE	9.33	14.42	154.46
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	G a M/ PE	20.12	25.44	126.43



```

*****
Method      : MN09014set1
File        : MN09014007
Sample ID   : 
Acquired    : 
*****

```

```

Total Events      6029
Total Gated Events 6029

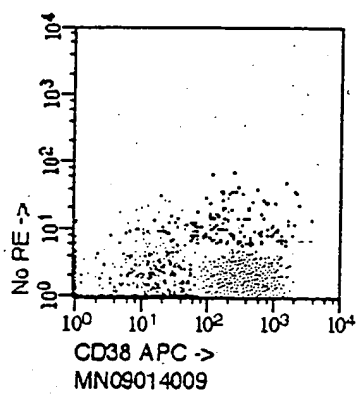
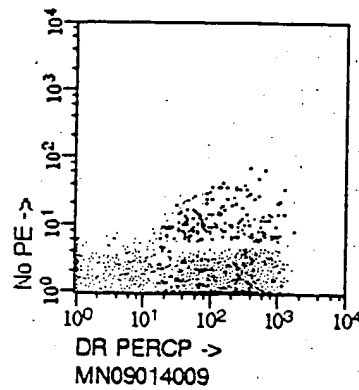
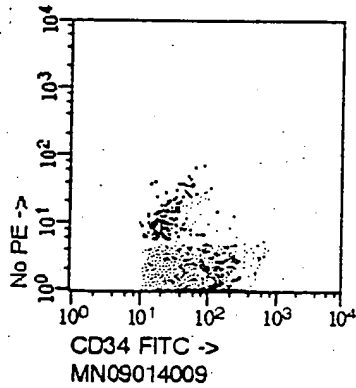
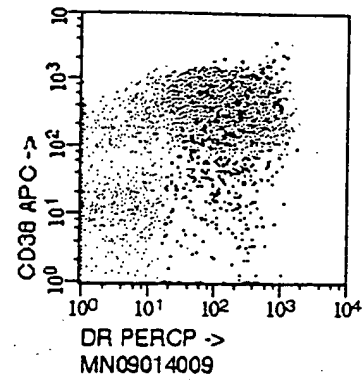
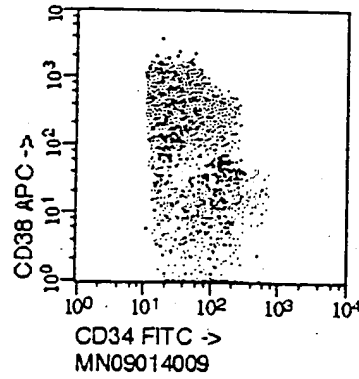
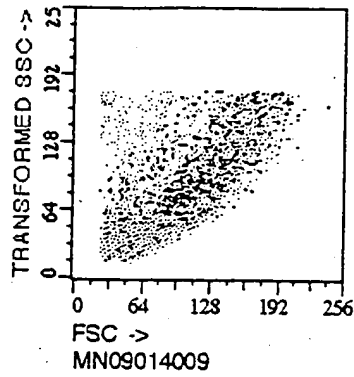
```

```

% of Gated Events
Parameter          PE-/CD38-/DR-(red)
G a M/ PE          6.48
                   Mean      SD      CV
                   18.25    19.83  108.64
% of Gated Events
Parameter          PE+/CD38-/DR-(green)
G a M/ PE          0.
                   Mean      SD      CV
                   --       --       --
% of Gated Events
Parameter          PE+/CD38+/DR-(blue)
G a M/ PE          0.
                   Mean      SD      CV
                   --       --       --
% of Gated Events
Parameter          PE-/CD38+/DR(yellow)
G a M/ PE          5.52
                   Mean      SD      CV
                   7.47    13.05  174.66
% of Gated Events
Parameter          Unclassified Events
G a M/ PE          87.99
                   Mean      SD      CV
                   11.82    18.99  160.61

```

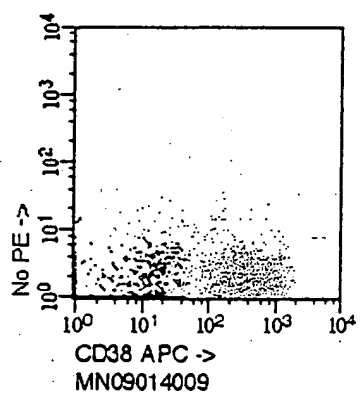
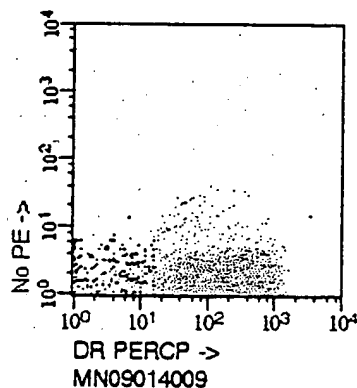
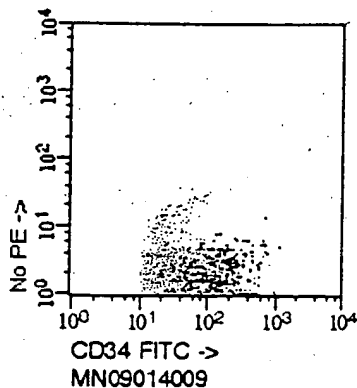
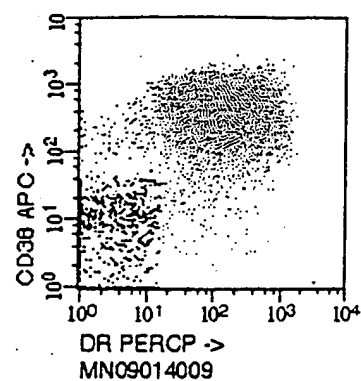
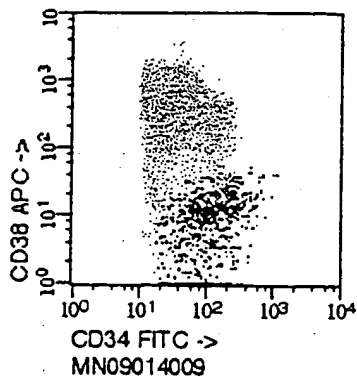
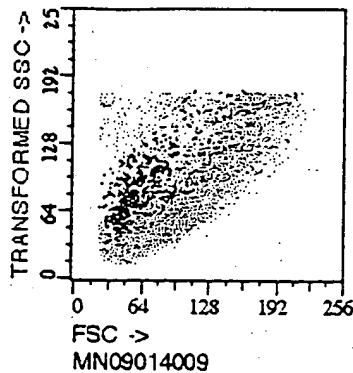




\*\*\*\*\*  
 Method : MN09014set1  
 File : MN09014009  
 Sample ID :   
 Acquired :   
 \*\*\*\*\*

Total Events : 10054  
 Total Gated Events : 10054

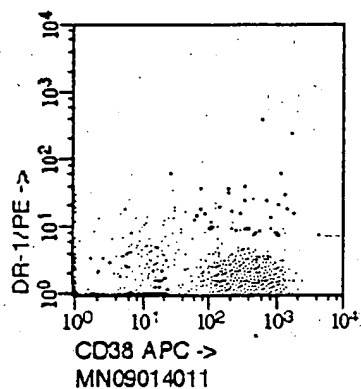
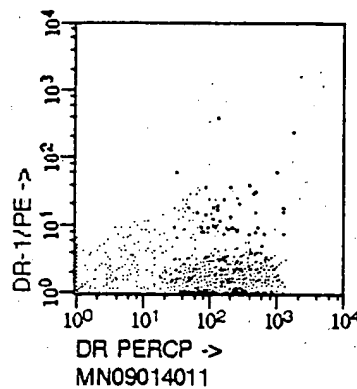
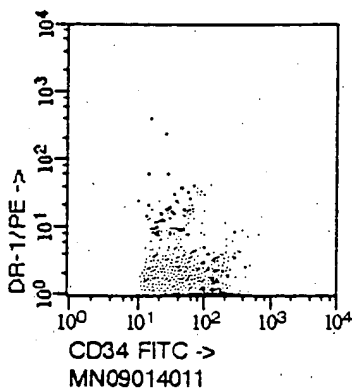
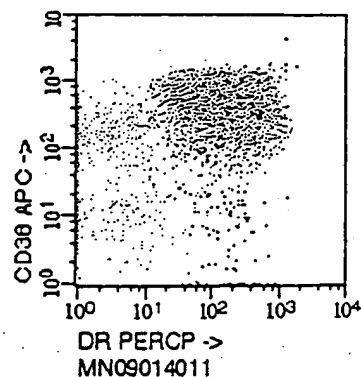
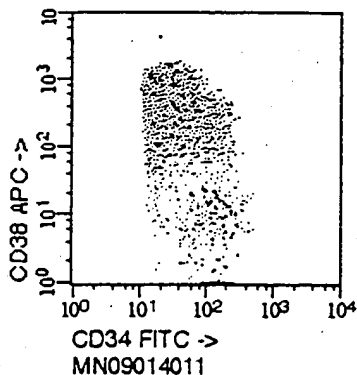
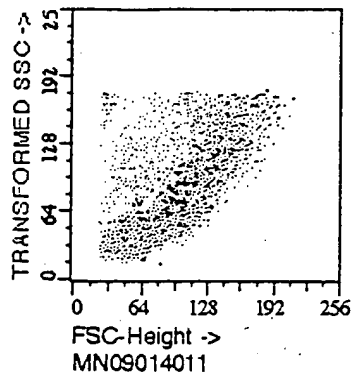
		PE-/CD38-/DR+(red)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	10.34	14.05	135.83
		PE+/CD38-/DR+(green)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	69.40	16.56	23.86
		PE+/CD38+/DR+(blue)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	68.53	15.79	23.04
		PE-/CD38+/DR+(yellow)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	4.99	10.13	203.02
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	11.99	20.75	173.00



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014009  
Sample ID :   
Acquired :   
\*\*\*\*\*

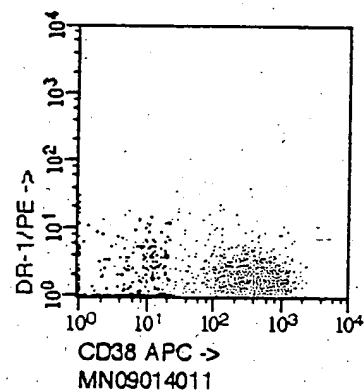
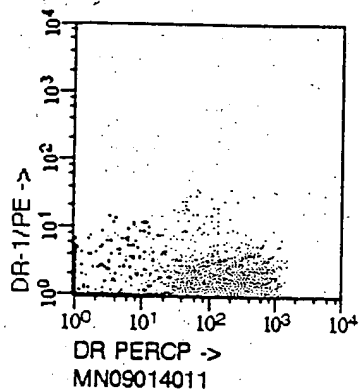
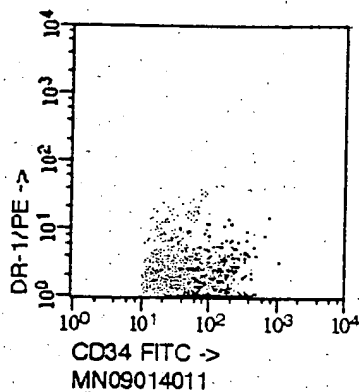
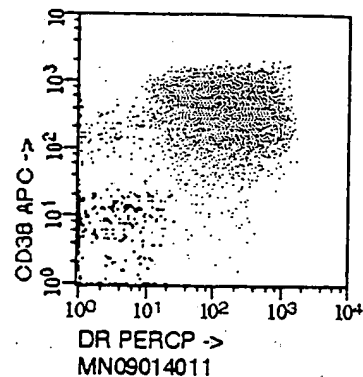
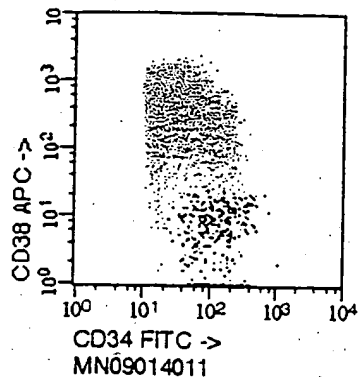
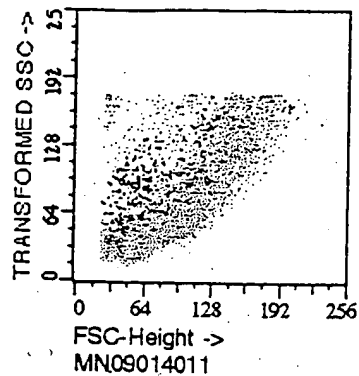
Total Events 10054  
Total Gated Events 10054

		PE-/CD38-/DR-(red)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	9.17	14.80	161.25
		PE+/CD38-/DR-(green)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	--	--	--
		PE+/CD38+/DR-(blue)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	--	--	--
		PE-/CD38+/DR-(yellow)		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	5.90	11.33	192.12
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	7.25	15.43	212.68



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014011  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events	10054		
Total Gated Events	10054		
DR-1-/CD38-/DR+(red)			
% of Gated Events	0.85		
Parameter	Mean	SD	CV
DR-1/ PE	6.48	12.57	193.88
DR-1+/CD38-/DR+(green)			
% of Gated Events	0.00		
Parameter	Mean	SD	CV
DR-1/ PE	80.00	—	—
DR-1+/CD38+/DR+(blue)			
% of Gated Events	0.40		
Parameter	Mean	SD	CV
DR-1/ PE	79.41	24.65	31.04
DR-1-/CD38+/DR+(yellow)			
% of Gated Events	84.51		
Parameter	Mean	SD	CV
DR-1/ PE	3.95	8.98	227.32
Unclassified Events			
% of Gated Events	14.21		
Parameter	Mean	SD	CV
DR-1/ PE	16.18	26.64	164.62



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*****
Method      : MN09014set1
File        : MN09014011
Sample ID   : 
Acquired    : 
*****

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Total Events      10054
Total Gated Events 10054

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```

% of Gated Events
Parameter          DR-1-/CD38-/DR-(red)
DR-1/ PE           2.97
                   Mean          SD          CV
DR-1/ PE           14.97        19.97      133.42

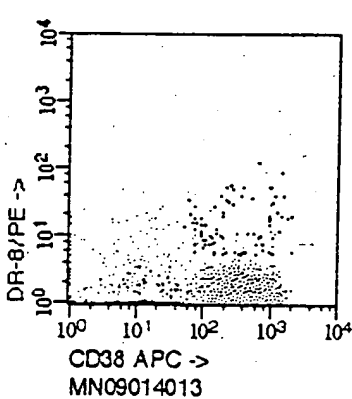
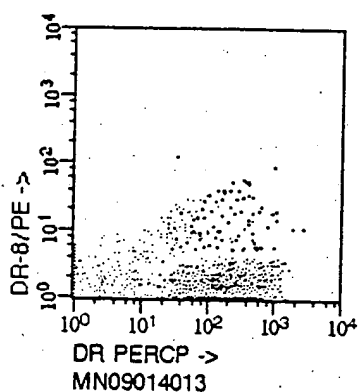
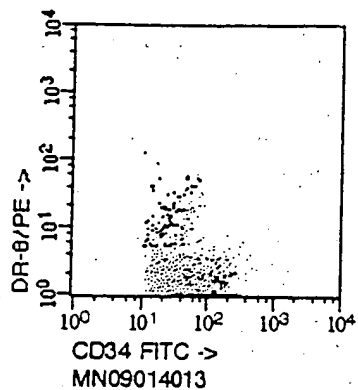
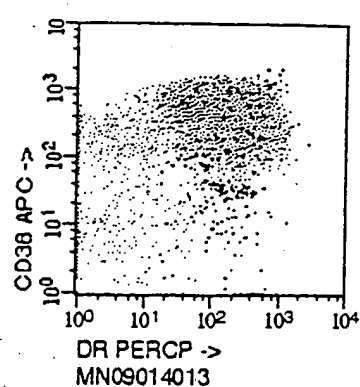
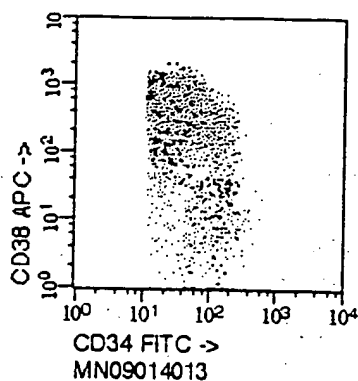
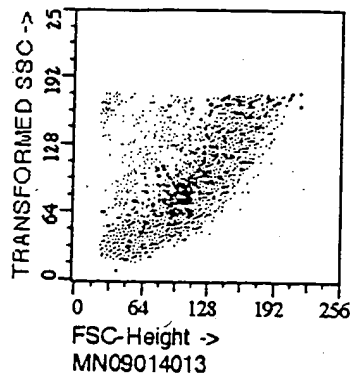
% of Gated Events
Parameter          DR-1+/CD38-/DR-(green)
DR-1/ PE           0.
                   Mean          SD          CV
DR-1/ PE           --          --          --

% of Gated Events
Parameter          DR-1+/CD38+/DR-(blue)
DR-1/ PE           0.
                   Mean          SD          CV
DR-1/ PE           --          --          --

% of Gated Events
Parameter          DR-1-/CD38+/DR-(yellow)
DR-1/ PE           4.85
                   Mean          SD          CV
DR-1/ PE           4.38        9.24      210.72

Unclassified Events
% of Gated Events  92.17
Parameter          DR-1/ PE
DR-1/ PE           5.82        14.55      249.71

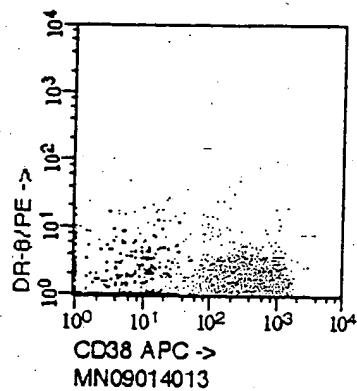
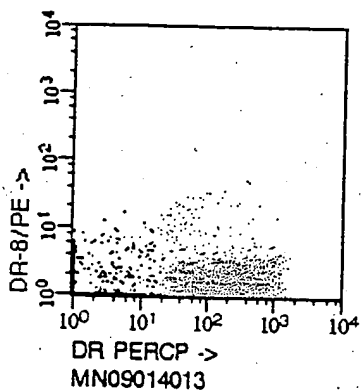
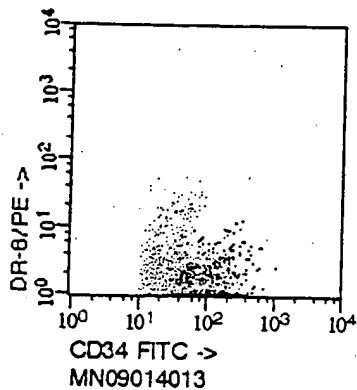
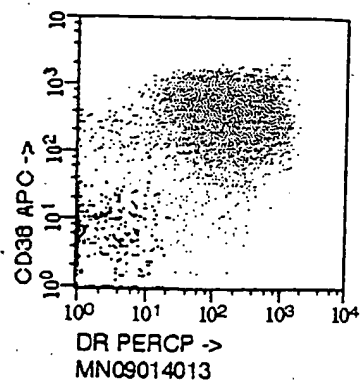
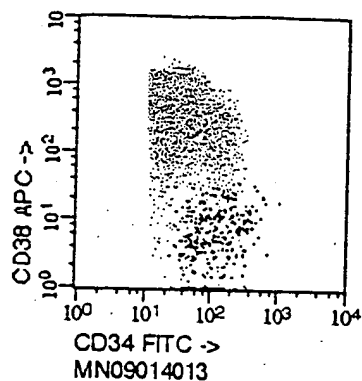
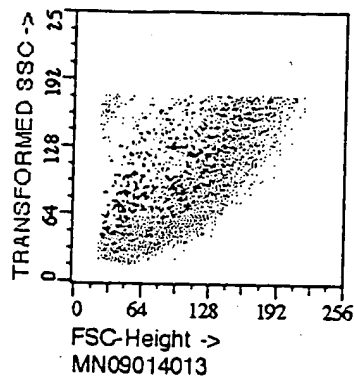
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\*\*\*\*\*  
Method : MN09014set1  
File : MN09014013  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 10062  
Total Gated Events 10062

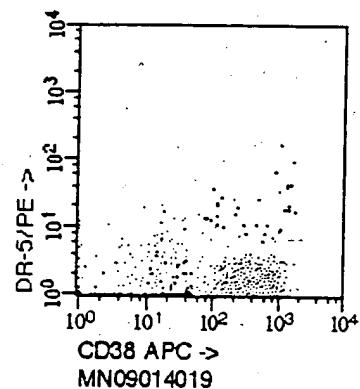
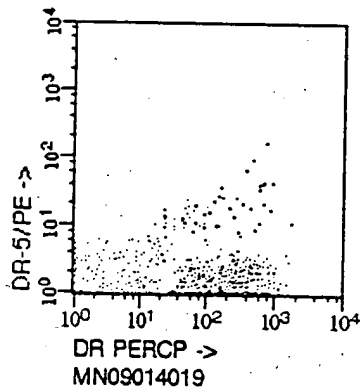
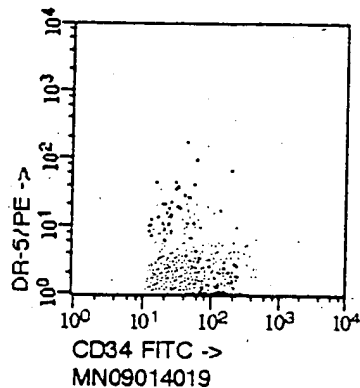
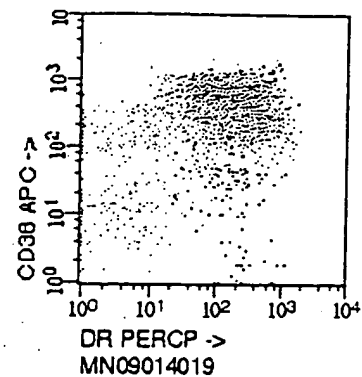
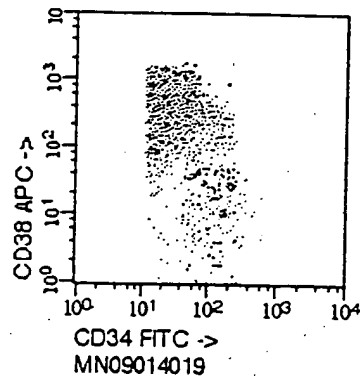
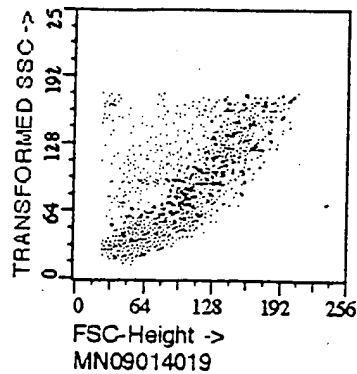
% of Gated Events		DR-8-/CD38-/DR+(red)		
Parameter		Mean	SD	CV
DR-8/ PE		4.53	8.70	192.13
% of Gated Events		DR-8+/CD38-/DR+(green)		
Parameter		Mean	SD	CV
DR-8/ PE		--	--	--
% of Gated Events		DR-8+/CD38+/DR+(blue)		
Parameter		Mean	SD	CV
DR-8/ PE		74.22	21.28	28.67
% of Gated Events		DR-8-/CD38+/DR+(yellow)		
Parameter		Mean	SD	CV
DR-8/ PE		3.80	8.66	227.58
% of Gated Events		Unclassified Events		
Parameter		Mean	SD	CV
DR-8/ PE		15.66	27.15	173.37



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014013  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 10062  
Total Gated Events 10062

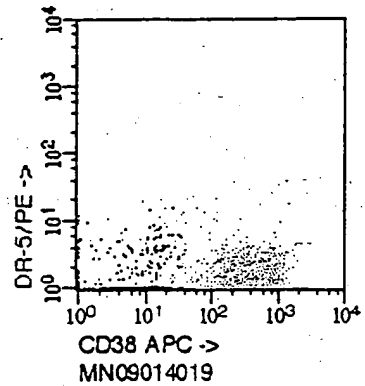
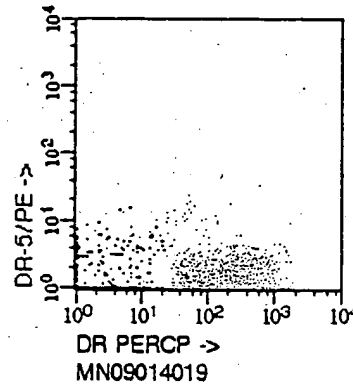
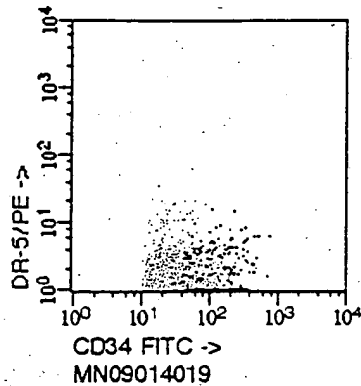
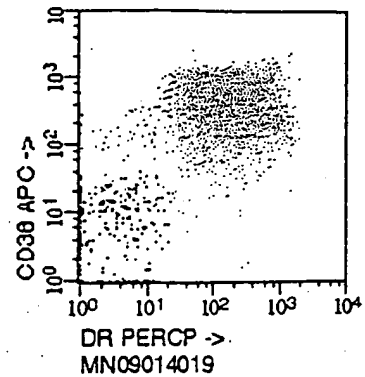
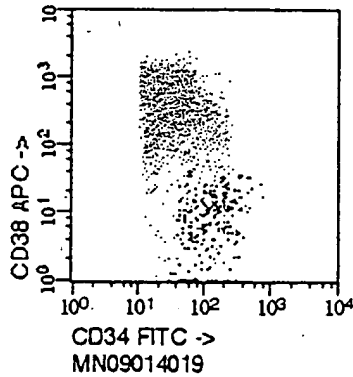
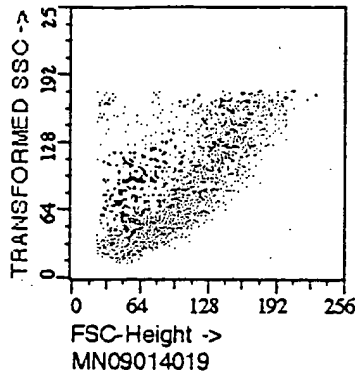
		DR-8-/CD38-/DR-(red)		
% of Gated Events		3.42		
Parameter		Mean	SD	CV
DR-8/ PE		13.60	17.90	131.58
		DR-8+/CD38-/DR-(green)		
% of Gated Events		0.		
Parameter		Mean	SD	CV
DR-8/ PE		--	--	--
		DR-8+/CD38+/DR-(blue)		
% of Gated Events		0.		
Parameter		Mean	SD	CV
DR-8/ PE		--	--	--
		DR-8-/CD38+/DR-(yellow)		
% of Gated Events		6.66		
Parameter		Mean	SD	CV
DR-8/ PE		4.97	10.57	212.35
Unclassified Events				
% of Gated Events		89.90		
Parameter		Mean	SD	CV
DR-8/ PE		5.94	15.32	257.89



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014019  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 5071  
Total Gated Events 5071

		DR-5-/CD38-/DR+(red)		
% of Gated Events	Parameter	Mean	SD	CV
	DR-5/ PE	6.50	11.76	180.96
		DR-5+/CD38-/DR+(green)		
% of Gated Events	Parameter	Mean	SD	CV
	DR-5/ PE	66.00	18.38	27.85
		DR-5+/CD38+/DR+(blue)		
% of Gated Events	Parameter	Mean	SD	CV
	DR-5/ PE	82.02	20.92	25.50
		DR-5-/CD38+/DR+(yellow)		
% of Gated Events	Parameter	Mean	SD	CV
	DR-5/ PE	4.02	9.06	225.16
Unclassified Events				
% of Gated Events	Parameter	Mean	SD	CV
	DR-5/ PE	14.19	23.16	163.16

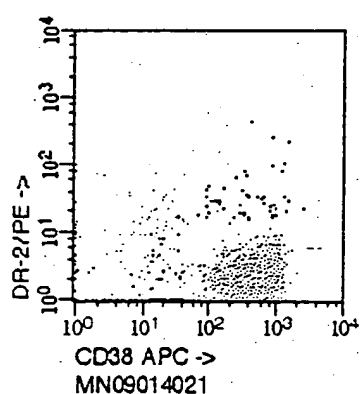
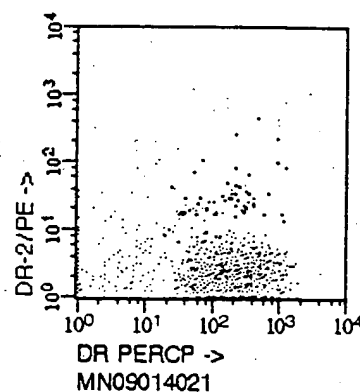
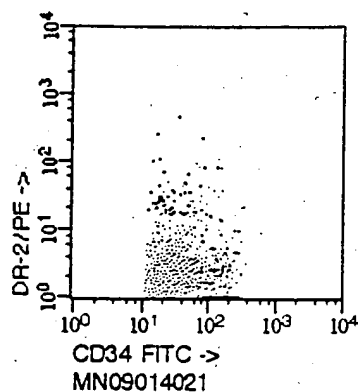
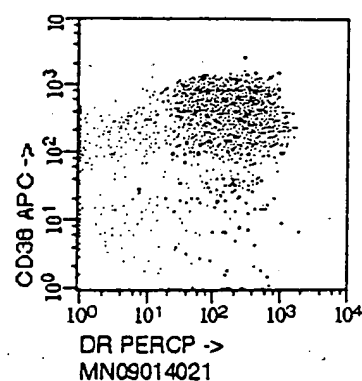
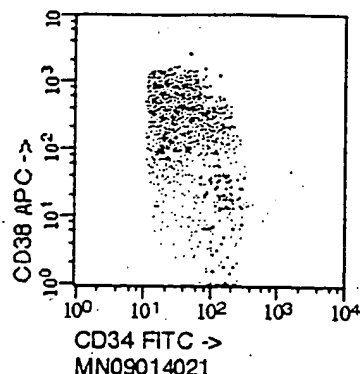
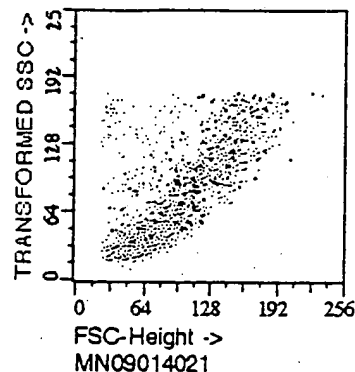


\*\*\*\*\*  
Method : MN09014set1  
File : MN09014019  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 5071  
Total Gated Events 5071

		DR-5-/CD38-/DR-(red)		
% of Gated Events		4.75		
Parameter		Mean	SD	CV
DR-5/ PE		15.00	18.85	125.69
		DR-5+/CD38-/DR-(green)		
% of Gated Events		0.		
Parameter		Mean	SD	CV
DR-5/ PE		--	--	--
		DR-5+/CD38+/DR-(blue)		
% of Gated Events		0.		
Parameter		Mean	SD	CV
DR-5/ PE		--	--	--
		DR-5-/CD38+/DR-(yellow)		
% of Gated Events		8.32		
Parameter		Mean	SD	CV
DR-5/ PE		4.15	9.35	225.16
		Unclassified Events		
% of Gated Events		86.92		
Parameter		Mean	SD	CV
DR-5/ PE		6.46	15.39	238.00





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*****
Method      : MN09014set1
File        : MN09014021
Sample ID   : 
Acquired    : 
*****

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```

Total Events      5027
Total Gated Events 5027

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DR-2-/CD38-/DR+(red)
% of Gated Events 1.49
Parameter          Mean      SD      CV
DR-2/ PE           14.09    19.61  139.17

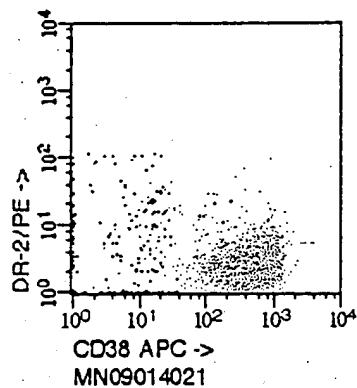
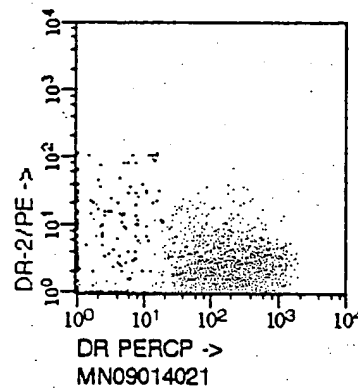
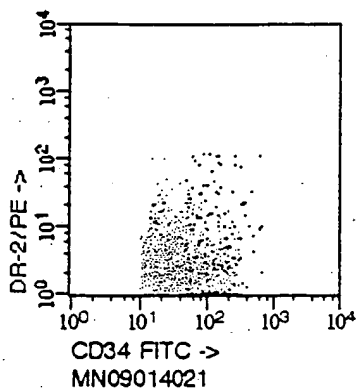
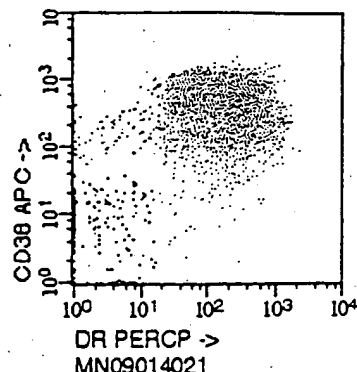
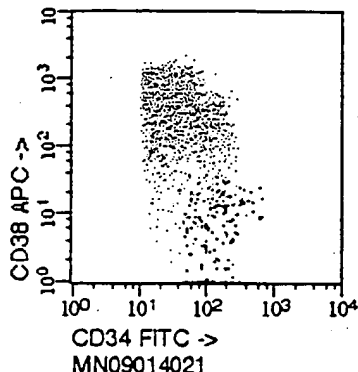
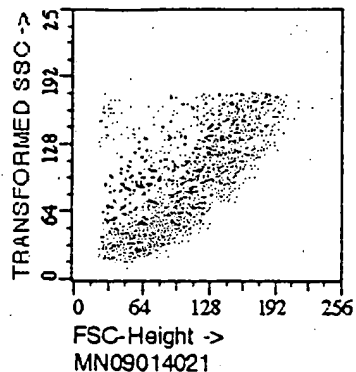
DR-2+/CD38-/DR+(green)
% of Gated Events 0.01
Parameter          Mean      SD      CV
DR-2/ PE           78.00    --     --

DR-2+/CD38+/DR+(blue)
% of Gated Events 1.01
Parameter          Mean      SD      CV
DR-2/ PE           97.49    20.82  21.36

DR-2-/CD38+/DR+(yellow)
% of Gated Events 81.59
Parameter          Mean      SD      CV
DR-2/ PE           12.35    17.18  139.08

Unclassified Events
% of Gated Events 15.87
Parameter          Mean      SD      CV
DR-2/ PE           29.51    38.95  131.97

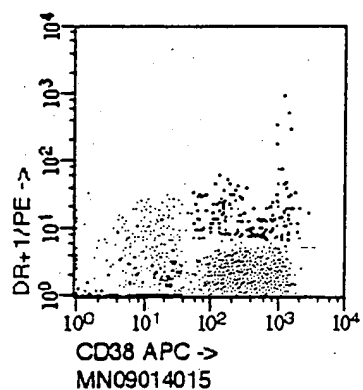
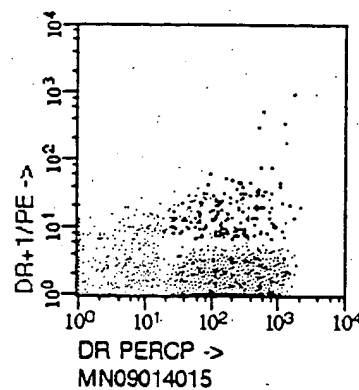
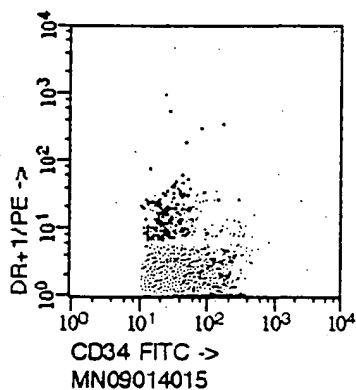
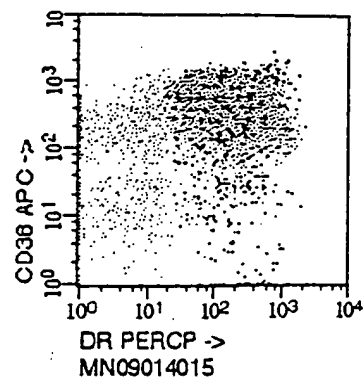
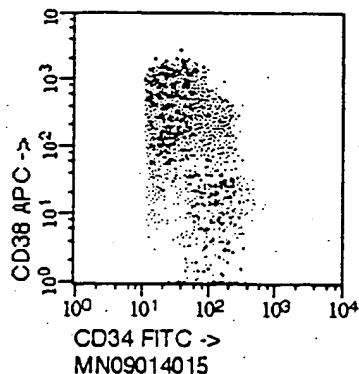
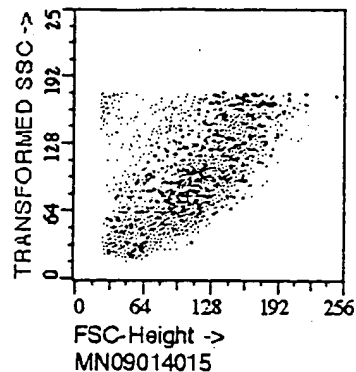
```



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014021  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 5027  
Total Gated Events 5027

		DR-2-/CD38-/DR-(red)		
% of Gated Events		2.12		
Parameter		Mean	SD	CV
DR-2/ PE		24.28	23.16	95.38
		DR-2+/CD38-/DR-(green)		
% of Gated Events		1.03		
Parameter		Mean	SD	CV
DR-2/ PE		96.13	21.48	22.34
		DR-2+/CD38+/DR-(blue)		
% of Gated Events		0.09		
Parameter		Mean	SD	CV
DR-2/ PE		76.00	9.32	12.27
		DR-2-/CD38+/DR-(yellow)		
% of Gated Events		7.95		
Parameter		Mean	SD	CV
DR-2/ PE		8.71	14.53	166.88
		Unclassified Events		
% of Gated Events		88.78		
Parameter		Mean	SD	CV
DR-2/ PE		15.43	23.51	152.33



```

*****
Method      : MN09014set1
File        : MN09014015
Sample ID   : 
Acquired    : 
*****

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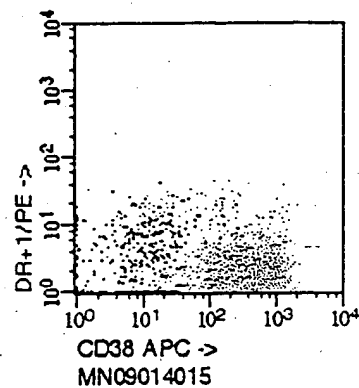
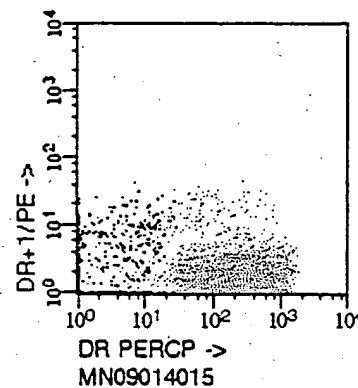
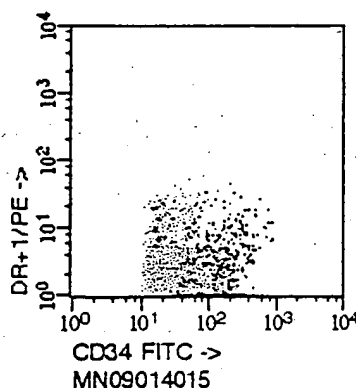
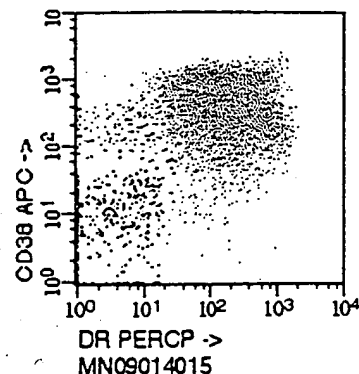
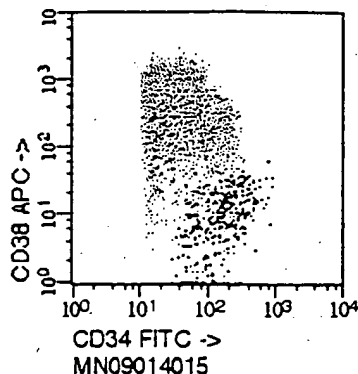
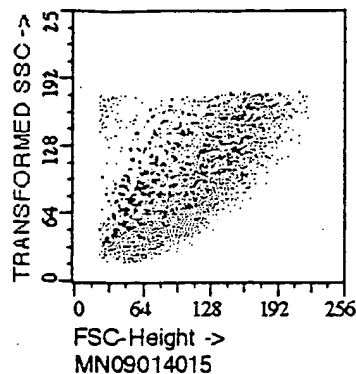
Total Events      10050
Total Gated Events 10050

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```

DR+/-/CD38-/DR+(red)
% of Gated Events 1.51
Parameter          Mean      SD      CV
DR+1/ PE          7.21     12.33   170.94
DR+/-/CD38-/DR+(green)
% of Gated Events 0.01
Parameter          Mean      SD      CV
DR+1/ PE          79.00    16.97   21.48
DR+/-/CD38+/DR+(blue)
% of Gated Events 1.64
Parameter          Mean      SD      CV
DR+1/ PE          77.85    22.44   28.82
DR+/-/CD38+/DR+(yellow)
% of Gated Events 82.39
Parameter          Mean      SD      CV
DR+1/ PE          6.21     11.50   185.06
Unclassified Events
% of Gated Events 14.42
Parameter          Mean      SD      CV
DR+1/ PE          23.15    29.85   128.92

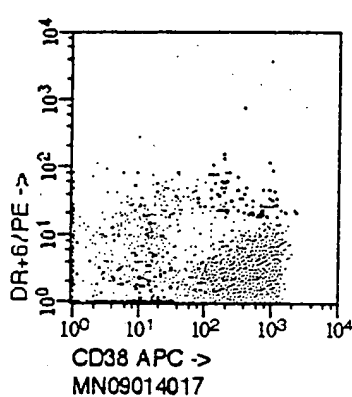
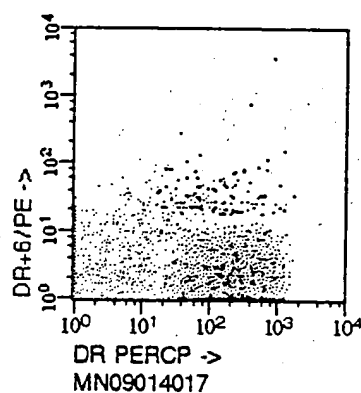
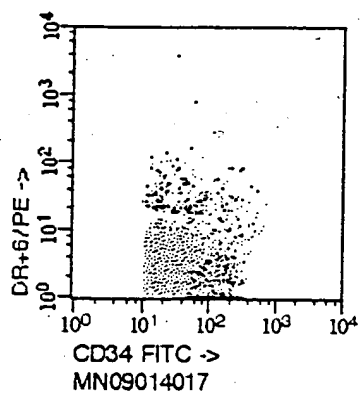
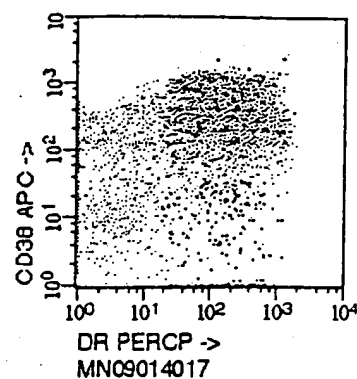
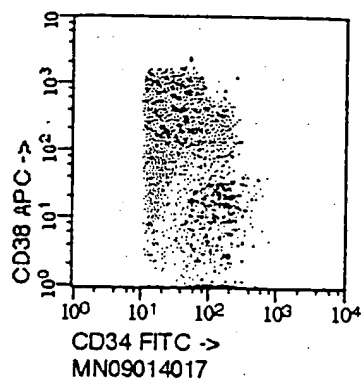
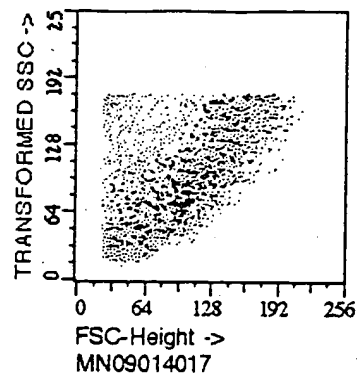
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\*\*\*\*\*  
Method : MN09014set1  
File : MN09014015  
Sample ID :   
Acquired :   
\*\*\*\*\*

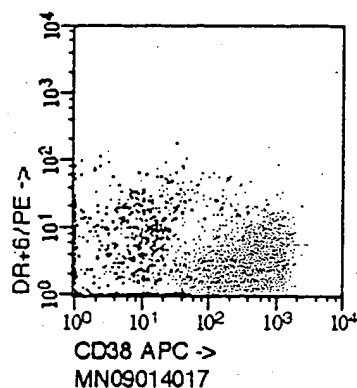
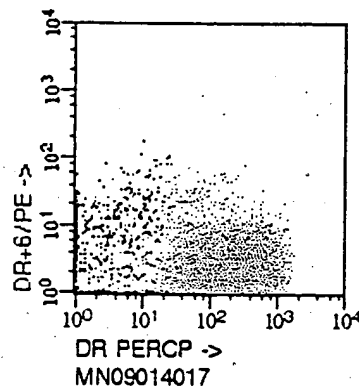
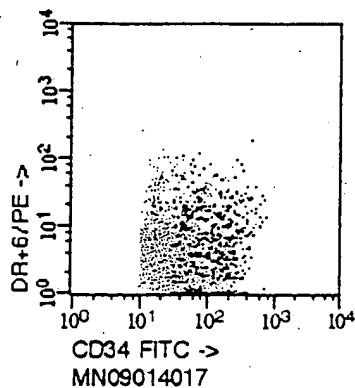
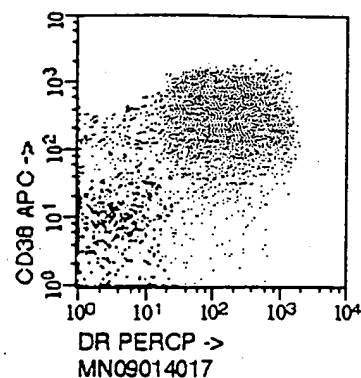
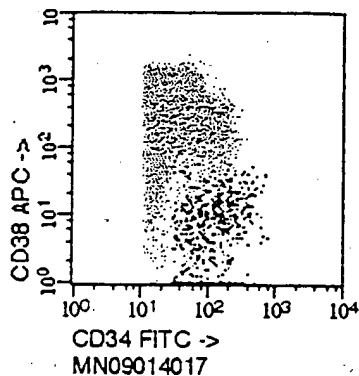
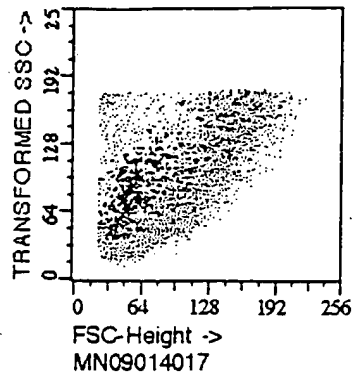
Total Events 10050  
Total Gated Events 10050

		DR+/-/CD38-/DR-(red)		
% of Gated Events		1.99		
Parameter		Mean	SD	CV
DR+1/ PE		16.44	15.98	97.21
		DR+/-/CD38-/DR-(green)		
% of Gated Events		1.22		
Parameter		Mean	SD	CV
DR+1/ PE		61.94	12.38	19.98
		DR+/-/CD38+/DR-(blue)		
% of Gated Events		0.21		
Parameter		Mean	SD	CV
DR+1/ PE		65.09	13.80	21.20
		DR+/-/CD38+/DR-(yellow)		
% of Gated Events		6.93		
Parameter		Mean	SD	CV
DR+1/ PE		5.97	10.51	175.85
		Unclassified Events		
% of Gated Events		89.63		
Parameter		Mean	SD	CV
DR+1/ PE		9.17	18.43	200.80



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014017  
Sample ID :  
Acquired :  
\*\*\*\*\*

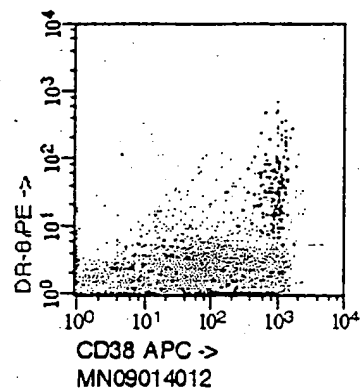
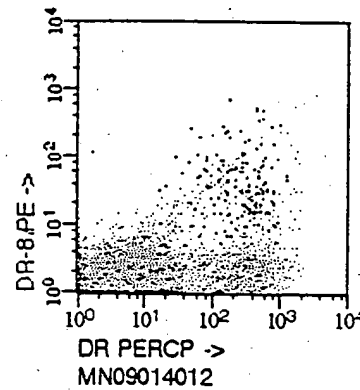
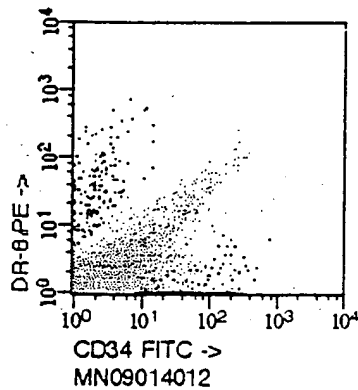
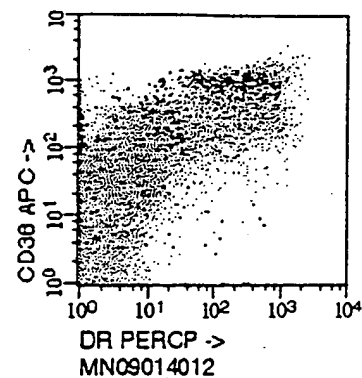
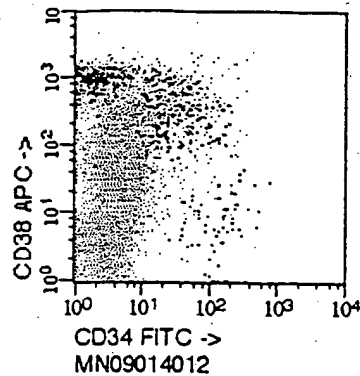
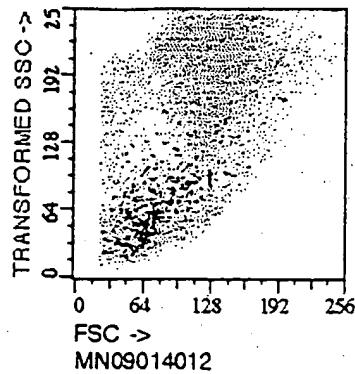
Total Events	10008		
Total Gated Events	10008		
DR+6-/CD38-/DR+(red)			
% of Gated Events	1.85		
Parameter	Mean	SD	CV
DR+6/ PE	12.32	18.50	150.11
DR+6+/CD38-/DR+(green)			
% of Gated Events	0.08		
Parameter	Mean	SD	CV
DR+6/ PE	110.77	22.06	19.91
DR+6+/CD38+/DR+(blue)			
% of Gated Events	0.83		
Parameter	Mean	SD	CV
DR+6/ PE	100.63	22.50	22.36
DR+6-/CD38+/DR+(yellow)			
% of Gated Events	72.89		
Parameter	Mean	SD	CV
DR+6/ PE	16.13	19.51	120.91
Unclassified Events			
% of Gated Events	24.32		
Parameter	Mean	SD	CV
DR+6/ PE	27.58	35.96	130.39



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014017  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 10008  
Total Gated Events 10008

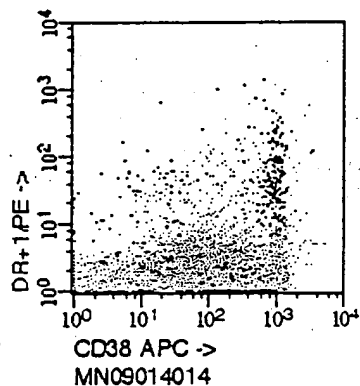
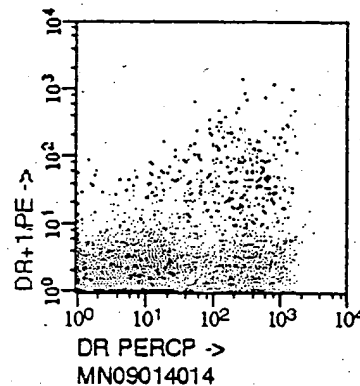
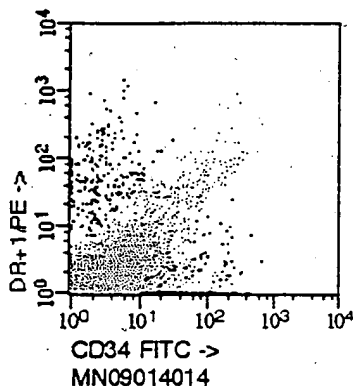
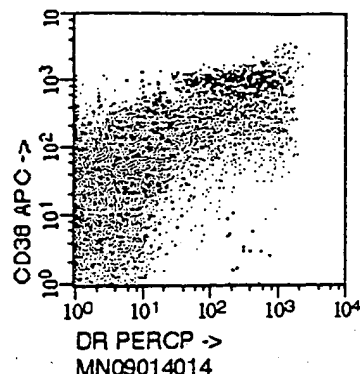
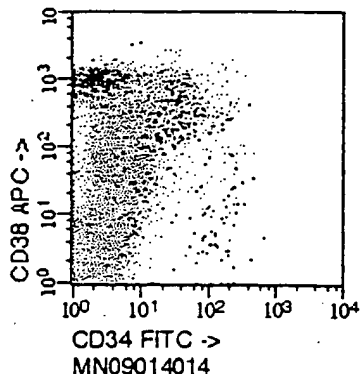
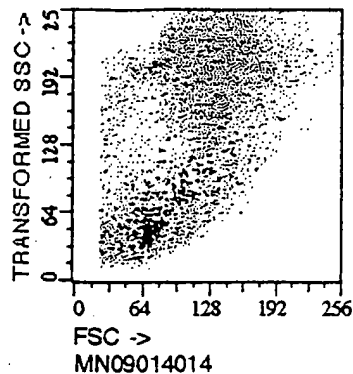
		DR+6-/CD38-/DR-(red)		
% of Gated Events		3.47		
Parameter		Mean	SD	CV
DR+6/ PE		31.94	24.16	75.65
		DR+6+/CD38-/DR-(green)		
% of Gated Events		1.36		
Parameter		Mean	SD	CV
DR+6/ PE		90.13	15.75	17.47
		DR+6+/CD38+/DR-(blue)		
% of Gated Events		0.08		
Parameter		Mean	SD	CV
DR+6/ PE		84.66	11.57	13.67
		DR+6-/CD38+/DR-(yellow)		
% of Gated Events		7.10		
Parameter		Mean	SD	CV
DR+6/ PE		9.96	15.65	156.99
		Unclassified Events		
% of Gated Events		87.95		
Parameter		Mean	SD	CV
DR+6/ PE		18.77	25.35	135.01



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014012  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 20000  
Total Gated Events 20000

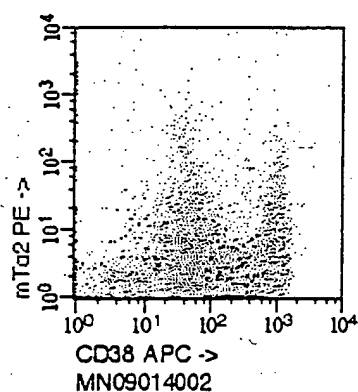
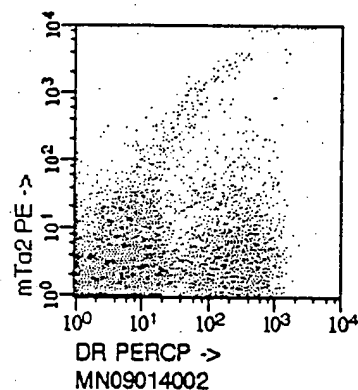
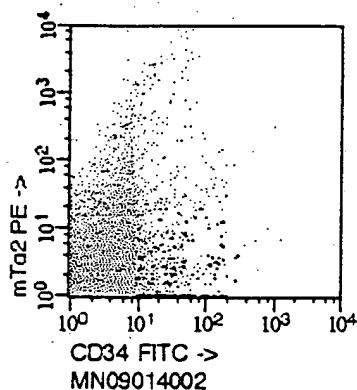
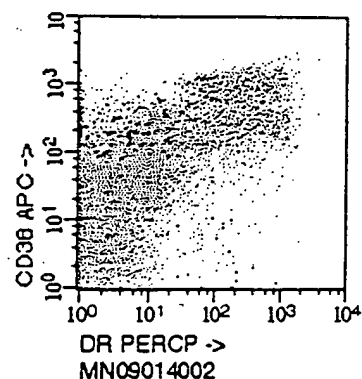
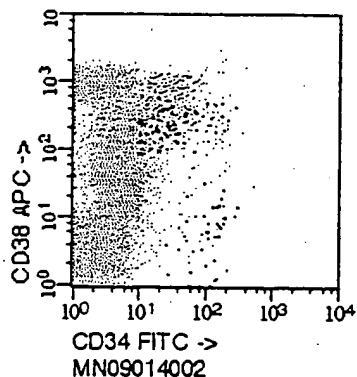
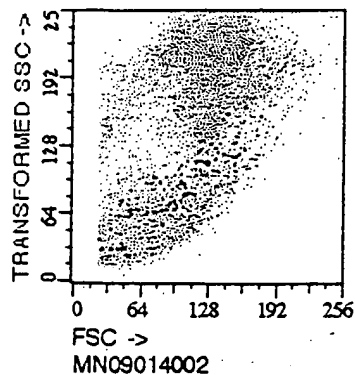
		CD34+/CD38-/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	DR-8/PE	13.45	23.62	175.65
		CD34+/CD38-/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	DR-8/PE	12.33	17.46	141.56
		CD34+/CD38+/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	DR-8/PE	4.67	10.89	232.82
		CD34+/CD38+/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	DR-8/PE	3.94	11.21	284.25
		White Events		
% of Gated Events	Parameter	Mean	SD	CV
	DR-8/PE	100.61	29.95	29.77
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	DR-8/PE	8.53	17.52	205.16



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014014  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events	20000		
Total Gated Events	20000		
CD34+/CD38-/DR+			
% of Gated Events	0.07		
Parameter	Mean	SD	CV
DR+1/PE	22.04	58.26	264.28
CD34+/CD38-/DR-			
% of Gated Events	0.22		
Parameter	Mean	SD	CV
DR+1/PE	25.12	25.76	102.54
CD34+/CD38+/DR-			
% of Gated Events	0.45		
Parameter	Mean	SD	CV
DR+1/PE	6.44	12.89	200.14
CD34+/CD38+/DR+			
% of Gated Events	5.01		
Parameter	Mean	SD	CV
DR+1/PE	6.14	12.76	207.91
White Events			
% of Gated Events	1.22		
Parameter	Mean	SD	CV
DR+1/PE	108.69	30.06	27.65
Unclassified Events			
% of Gated Events	93.02		
Parameter	Mean	SD	CV
DR+1/PE	11.48	21.61	188.19

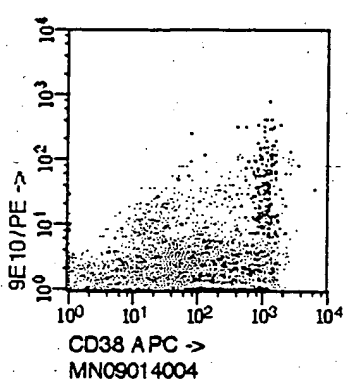
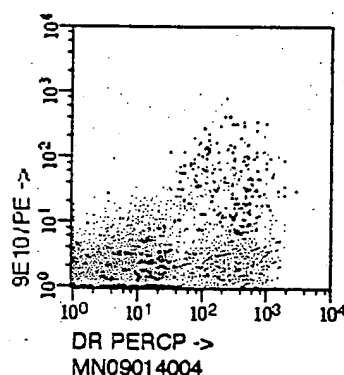
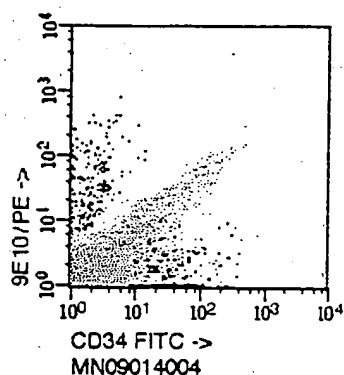
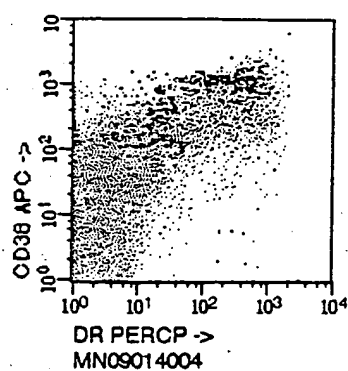
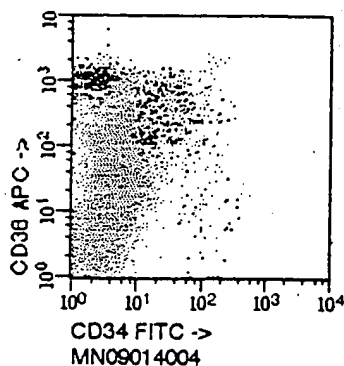
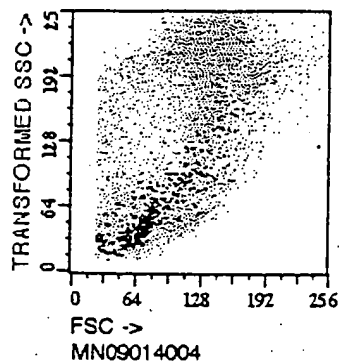




\*\*\*\*\*  
 Method : MN09014set1  
 File : MN09014002  
 Sample ID :   
 Acquired :   
 \*\*\*\*\*

Total Events 20000  
 Total Gated Events 20000

		CD34+/CD38-/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2 PE	15.71	21.34	135.83
		CD34+/CD38-/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2 PE	54.67	29.57	54.09
		CD34+/CD38+/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2 PE	15.51	20.59	132.74
		CD34+/CD38+/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2 PE	19.20	22.97	119.65
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	mTq2 PE	25.88	39.63	153.10



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*****
Method      : MN09014set1
File        : MN09014004
Sample ID   : 
Acquired    : 
*****

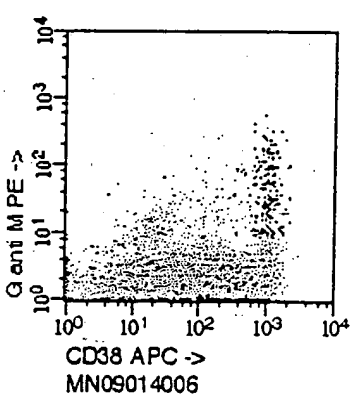
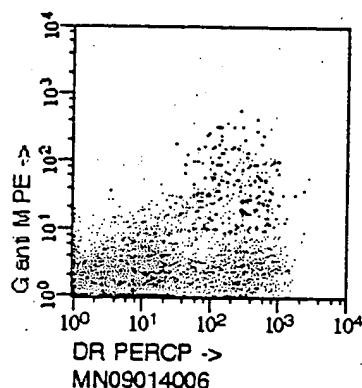
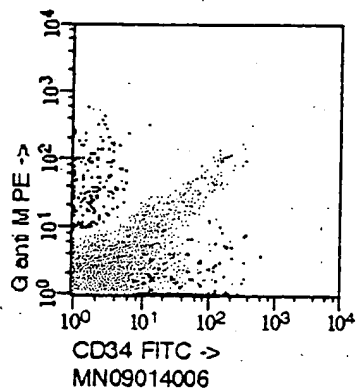
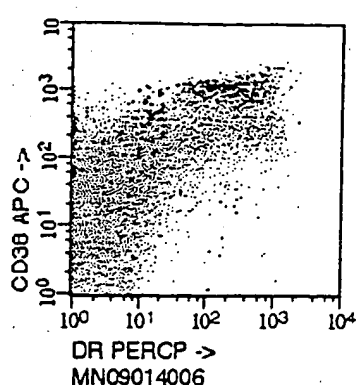
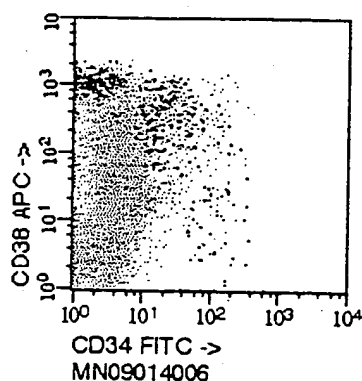
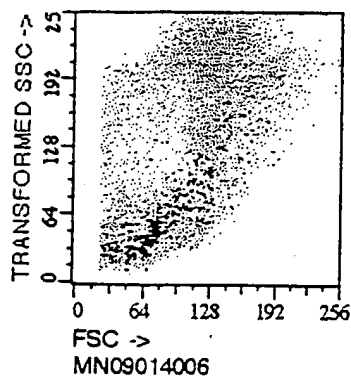
```

```

Total Events      20000
Total Gated Events 20000

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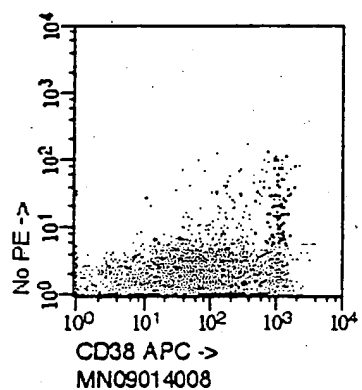
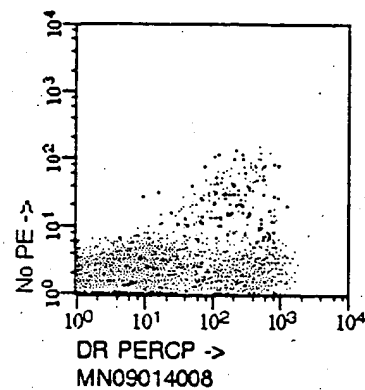
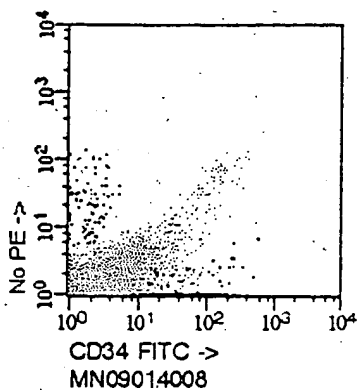
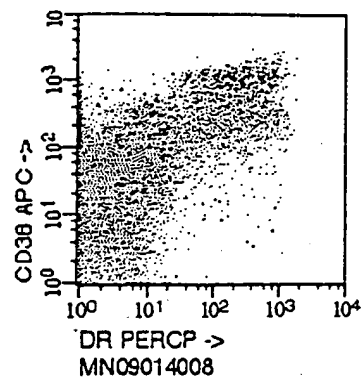
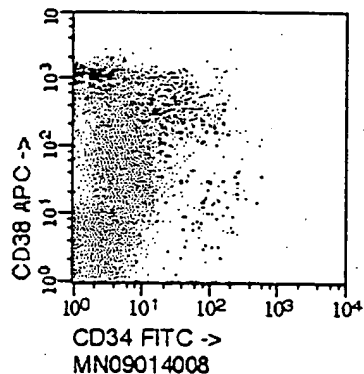
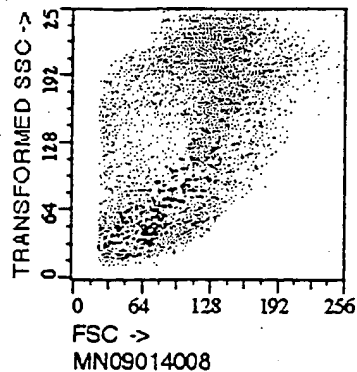
% of Gated Events		CD34+/CD38-/DR+		
Parameter		Mean	SD	CV
9E10/ PE		13.00	15.12	116.36
% of Gated Events		CD34+/CD38-/DR-		
Parameter		Mean	SD	CV
9E10/ PE		19.93	19.98	100.25
% of Gated Events		CD34+/CD38+/DR-		
Parameter		Mean	SD	CV
9E10/ PE		8.21	14.27	173.75
% of Gated Events		CD34+/CD38+/DR+		
Parameter		Mean	SD	CV
9E10/ PE		9.49	14.66	154.55
% of Gated Events		White Events		
Parameter		Mean	SD	CV
9E10/ PE		100.66	30.97	30.76
% of Gated Events		Unclassified Events		
Parameter		Mean	SD	CV
9E10/ PE		11.12	20.44	183.75



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014006  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 20000  
Total Gated Events 20000

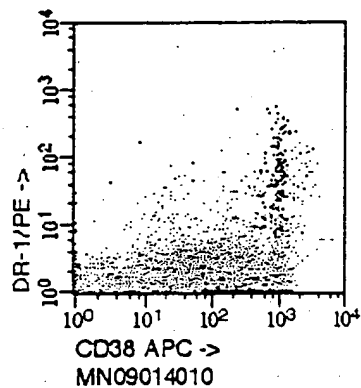
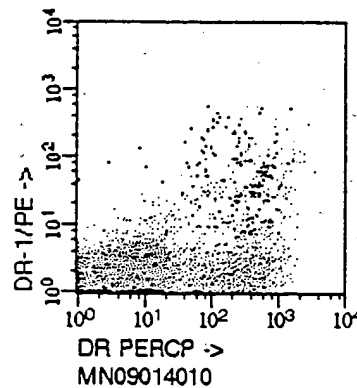
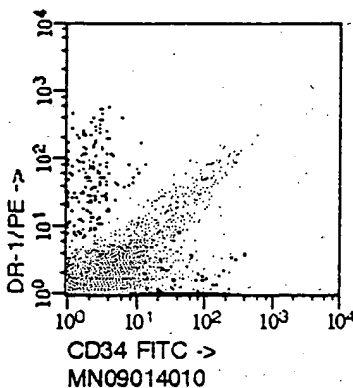
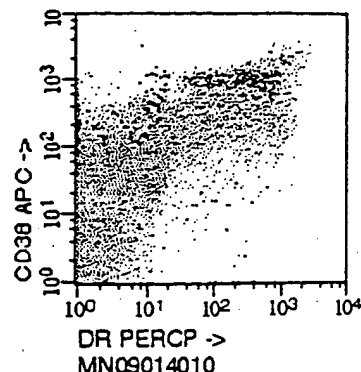
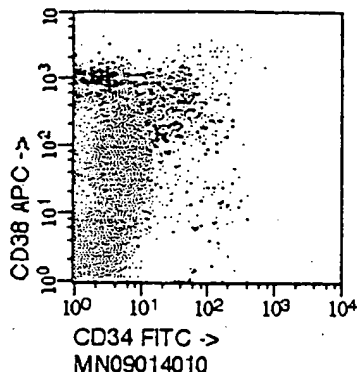
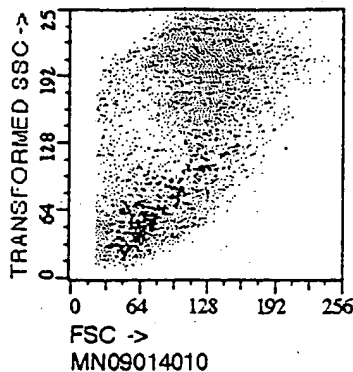
		CD34+/CD38-/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	G anti M PE	3.83	7.96	207.78
		CD34+/CD38-/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	G anti M PE	24.76	21.68	87.56
		CD34+/CD38+/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	G anti M PE	6.35	12.39	195.12
		CD34+/CD38+/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	G anti M PE	9.50	15.41	162.11
		White Events		
% of Gated Events	Parameter	Mean	SD	CV
	G anti M PE	104.46	27.87	26.68
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	G anti M PE	11.04	19.86	179.76



\*\*\*\*\*  
Method : MN09014set1  
File : MN09014008  
Sample ID :   
Acquired :   
\*\*\*\*\*

Total Events 20000  
Total Gated Events 20000

		CD34+/CD38-/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	2.57	8.29	322.39
		CD34+/CD38-/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	6.69	13.29	198.69
		CD34+/CD38+/DR-		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	4.49	10.28	228.99
		CD34+/CD38+/DR+		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	4.46	10.88	243.71
		White Events		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	84.42	23.31	27.62
		Unclassified Events		
% of Gated Events	Parameter	Mean	SD	CV
	No PE	7.99	16.25	203.35



```

*****
Method      : MN09014set1
File        : MN09014010
Sample ID   : 
Acquired    : 
*****

```

```

Total Events      20000
Total Gated Events 20000

```

		CD34+/CD38-/DR+		
% of Gated Events		0.09		
Parameter		Mean	SD	CV
DR-1/ PE		5.66	9.98	176.13
		CD34+/CD38-/DR-		
% of Gated Events		0.09		
Parameter		Mean	SD	CV
DR-1/ PE		11.44	16.64	145.38
		CD34+/CD38+/DR-		
% of Gated Events		0.47		
Parameter		Mean	SD	CV
DR-1/ PE		2.41	6.30	261.19
		CD34+/CD38+/DR+		
% of Gated Events		6.02		
Parameter		Mean	SD	CV
DR-1/ PE		4.16	10.83	260.40
		White Events		
% of Gated Events		0.94		
Parameter		Mean	SD	CV
DR-1/ PE		105.50	30.43	28.84
		Unclassified Events		
% of Gated Events		92.37		
Parameter		Mean	SD	CV
DR-1/ PE		9.23	18.85	204.12

Staining of lysed peripheral blood with single chain phage antibodies. Phages have been cleaved off. E910 is an Ab which recognizes the c-myc tag on the single chain Ab. mTg3 is a negative control. 5x10<sup>5</sup> lysed NPB (donor #390) per test.

A1 = antibody selected from all cells. T8 = antibody selected from T - cells. B9 and B28 = antibodies selected from B - cells.

Lymphocyte Gate	1.	Unstained	mTg3	9E10	GαM PE	NMS	+	CD3 PerCP	+	CD20 FITC		strept APC	%	Gated on CD3
17	3	mTg3	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD20 FITC			30	
18	4	mTg3	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD4 FITC			31	
19	5	A1	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD56 FITC			32	
20	6	T8	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD20 FITC			33	
21	7	T8	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD20 FITC			34	
22	8	T8	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD4 FITC			35	
23	9	B28	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD56 FITC			36	
24	10	B9	9E10	GαM PE	NMS	+		CD3 PerCP	+	CD20 FITC			37	
25	11	B9	9E10	GαM PE	NMS	+		CD20 PerCP	+	CD14 FITC			38	
26	12	B9	9E10	GαM PE	NMS	+		CD20 PerCP	+	CD56 FITC			39	
27	13	B9	9E10	GαM PE	NMS	+		CD20 PerCP	+	slgE FITC			40	
28	14	B9	9E10	GαM PE	NMS	+		CD20 PerCP	+	slgDFITC			41	
29	15	B9	9E10	GαM PE	NMS	+		CD20 PerCP	+	Kappa FITC			42	
													43	

Next time try CD3 PerCP, CD8 FITC, T8 PE ; a few donors  
CD3 PerCP, CD8/AFc, T8 PE

scFv on fetal BM

CD43 staining compare

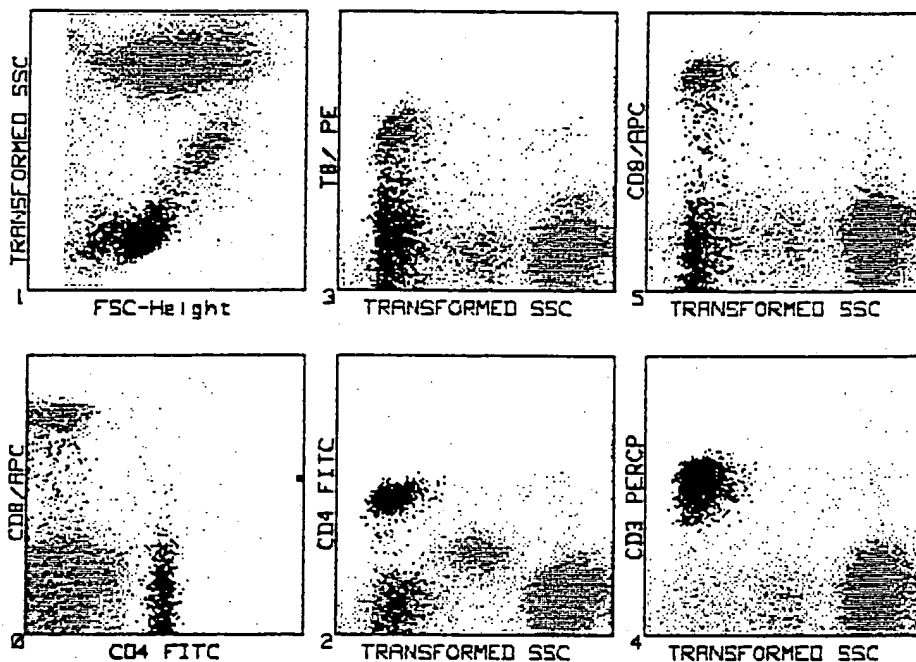
Controls: unst.

Neg. Control  
1:2 M 12:1 rest Ab

No 1°, 2°, + rest of Abs staining

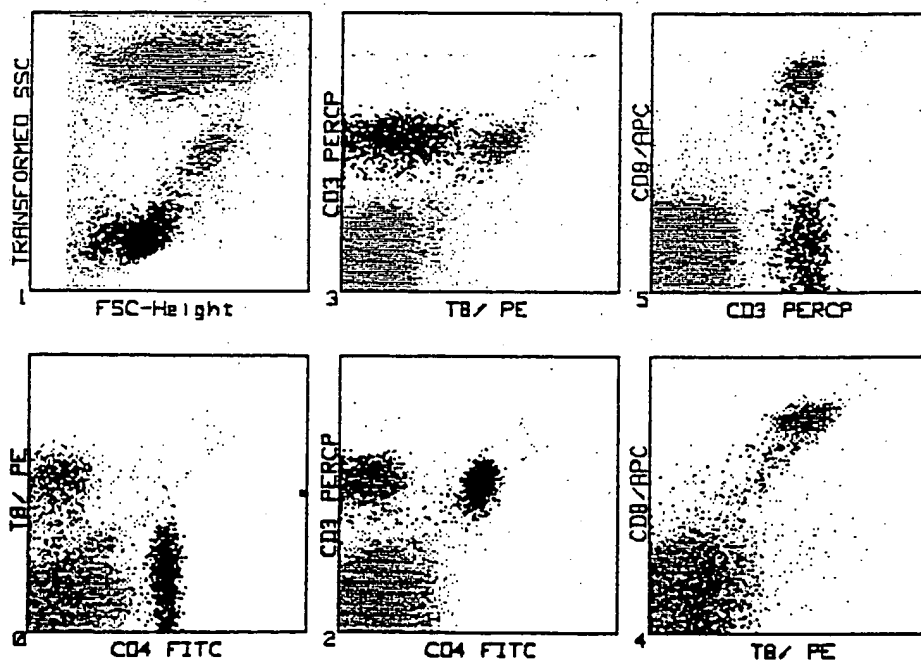
PRINT-A-GATE (TM) Mode ■ File: #15:MN88104887  
 Z= 0.9 1.0 6.1 7.1 0.0 0.2 0.0 83.9  
 RGYBYCWD gate; +- mode; <> size  
 0-5 plot; FZHXPMU8"s IE A ^!

Dots = 15000  
 250 142



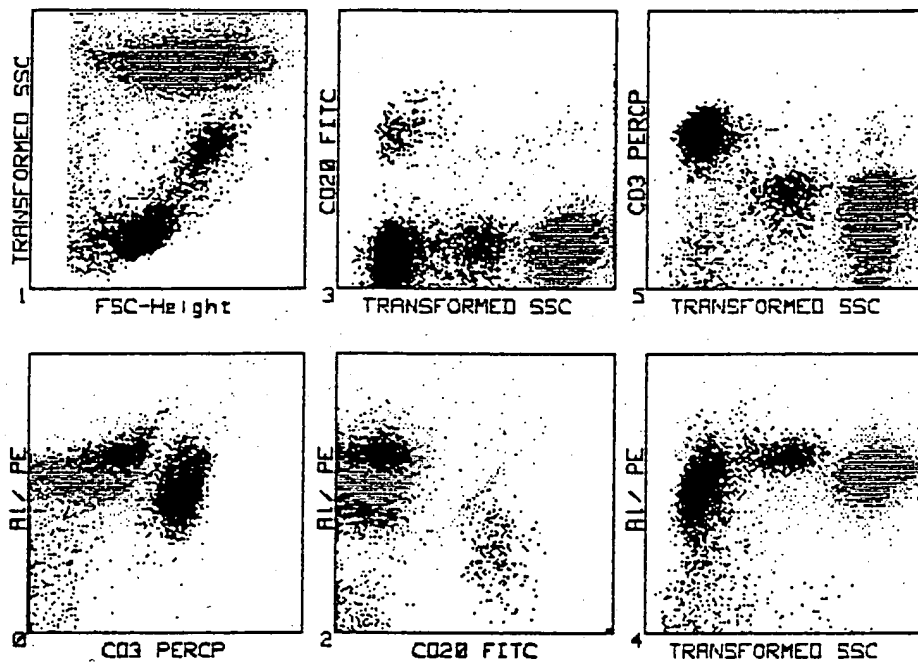
PRINT-A-GATE (TM) Mode ■ File: #15:MN88104887  
 Z= 0.9 1.0 6.1 7.1 0.0 0.2 0.0 83.9  
 RGYBYCWD gate; +- mode; <> size  
 0-5 plot; FZHXPMU8"s IE A ^!

Dots = 15000  
 250 120



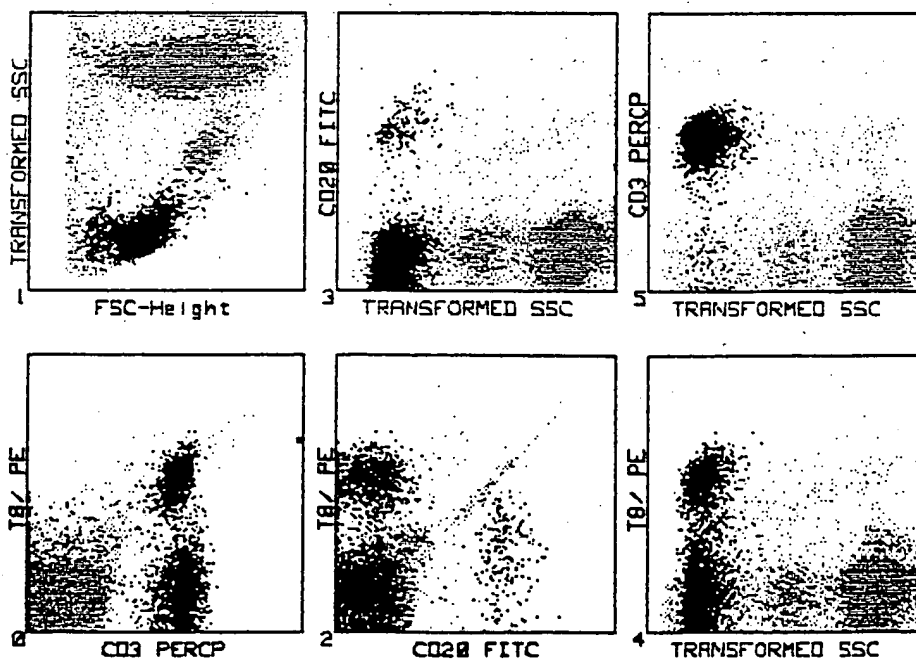
PRINT-A-GATE (TM) Mode ■ File: #15:MN00104005  
 % = 1.0 21.4 67.0 4.0 0.0 0.0 2.0 3.0  
 RGBYBVCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$~"s IE A ^!

Dots = 15000  
 250 0



PRINT-A-GATE (TM) Mode ■ File: #15:MN00104005  
 % = 1.4 11.2 0.0 6.9 0.0 0.0 0.0 90.5  
 RGBYBVCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$~"s IE A ^!

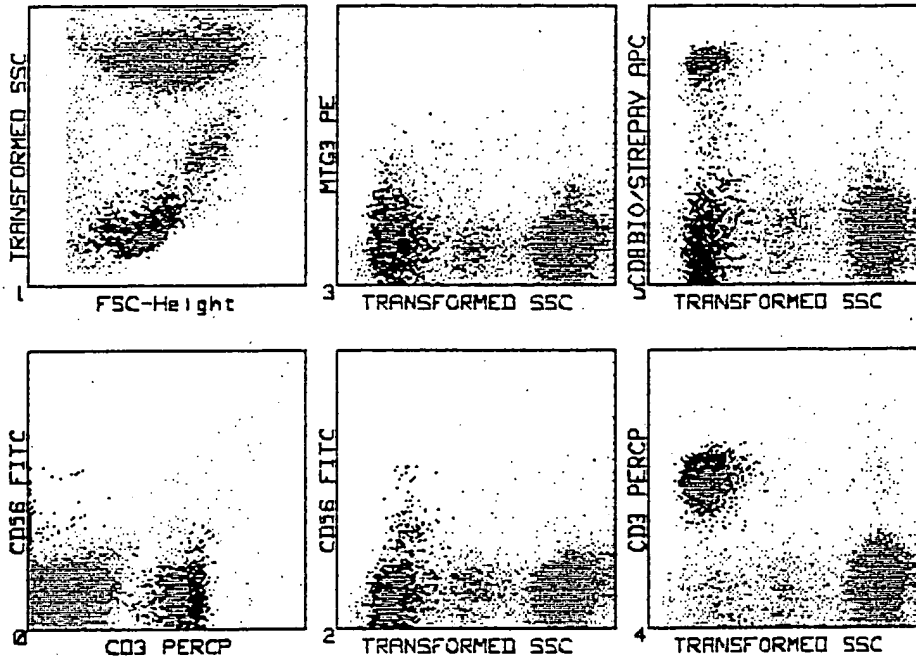
Dots = 15000  
 250 176





PRINT-A-GATE (TM) Mode ■ File: 15:MN00104004  
 Z= 0.6 10.0 7.7 0.0 0.0 0.0 0.0 0.0  
 RG:BYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU's IE A ^!

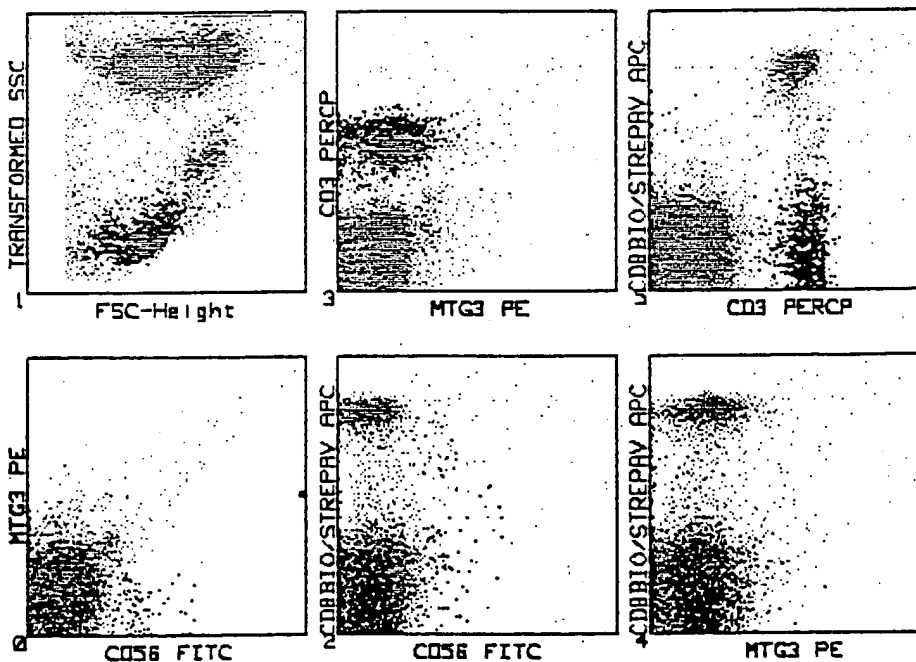
Dots = 15000  
 0 250



*Neg. Ctrl.*

PRINT-A-GATE (TM) Mode ■ File: #15:MN00104004  
 Z= 0.6 10.0 7.7 0.0 0.0 0.0 0.0 0.0  
 RG:BYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU's IE A ^!

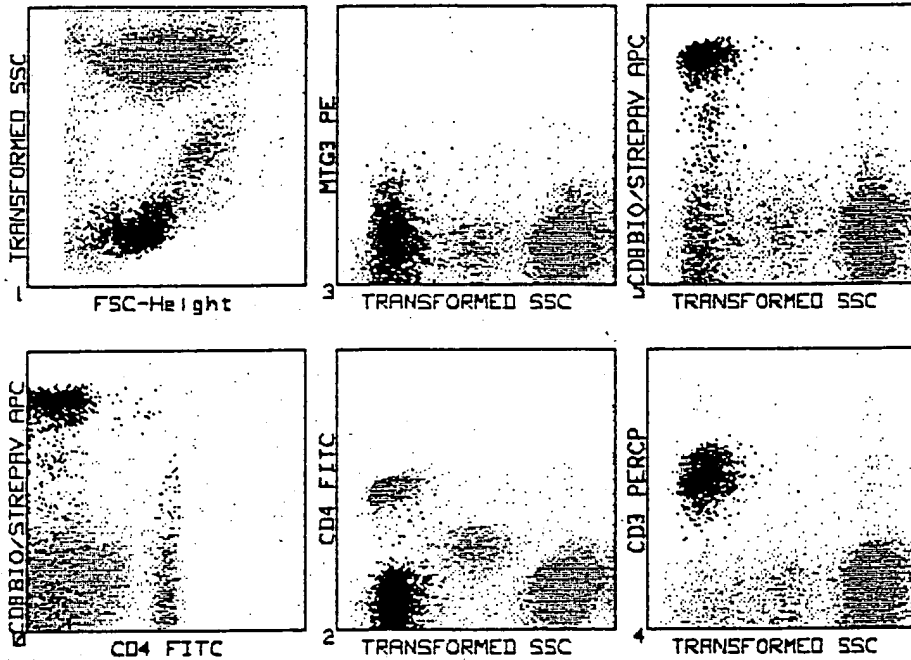
Dots = 15000  
 250 120



*Neg. Ctrl.*

PRINT-A-GATE (TM) Mode ■ File: #15:MN00104003  
 % = 0.2 2.0 0.6 7.9 0.0 0.0 0.0 01.3  
 RG:BYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$''s IE A ^!

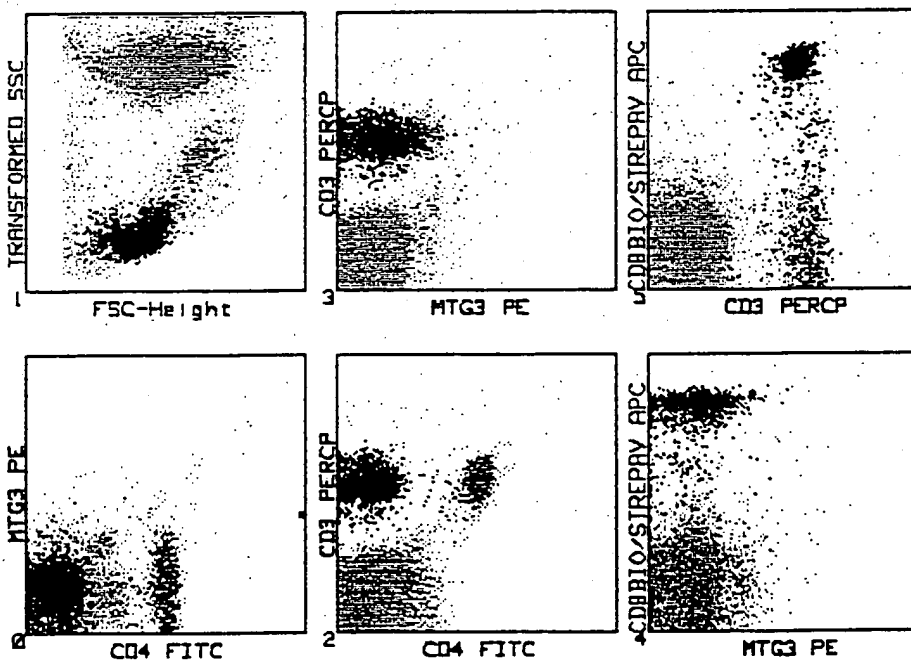
Dots = 15000  
 250 0



*Neg. Control.*

PRINT-A-GATE (TM) Mode ■ File: #15:MN00104003  
 % = 0.2 2.0 0.6 7.9 0.0 0.0 0.0 01.3  
 RG:BYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$''s IE A ^!

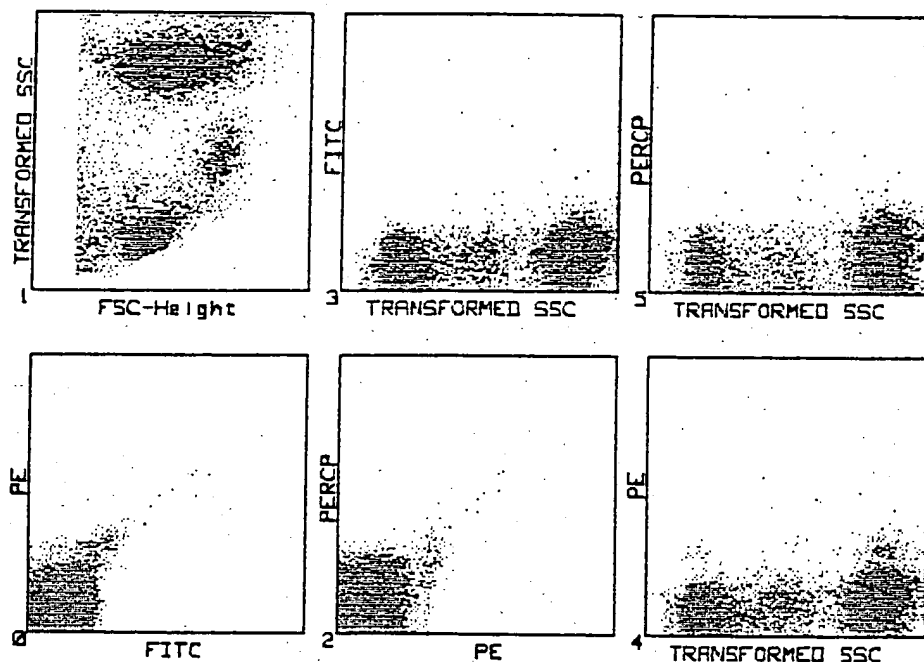
Dots = 15000  
 250 100



*Neg. Control.*

PRINT-A-GATE (TM) Mode ■ File: \*15:MN88184881  
 % = 0.0 0.0 0.0 0.0 0.0 0.0 0.0 99.9  
 RG/BVCWD gate: +- mode: <> size  
 0-5 plot; FZHXPMU's IE 0 ^!

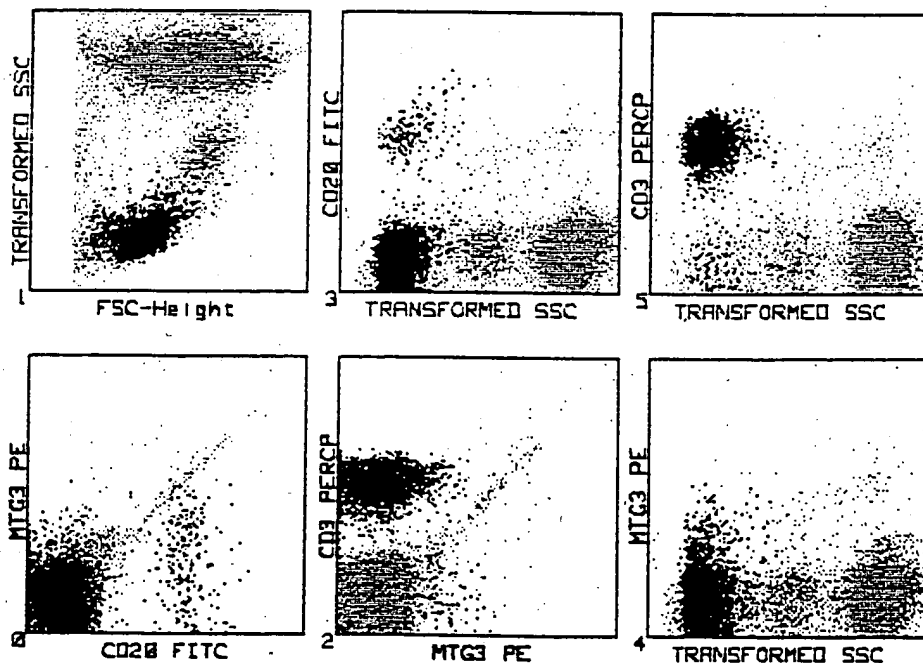
Dots = 15888



Unst.

PRINT-A-GATE (TM) Mode ■ File: \*15:MN88184882  
 % = 1.6 20.3 0.0 0.0 0.0 0.0 0.0 78.1  
 RG/BVCWD gate: +- mode: <> size  
 0-5 plot; FZHXPMU's IE 0 ^!

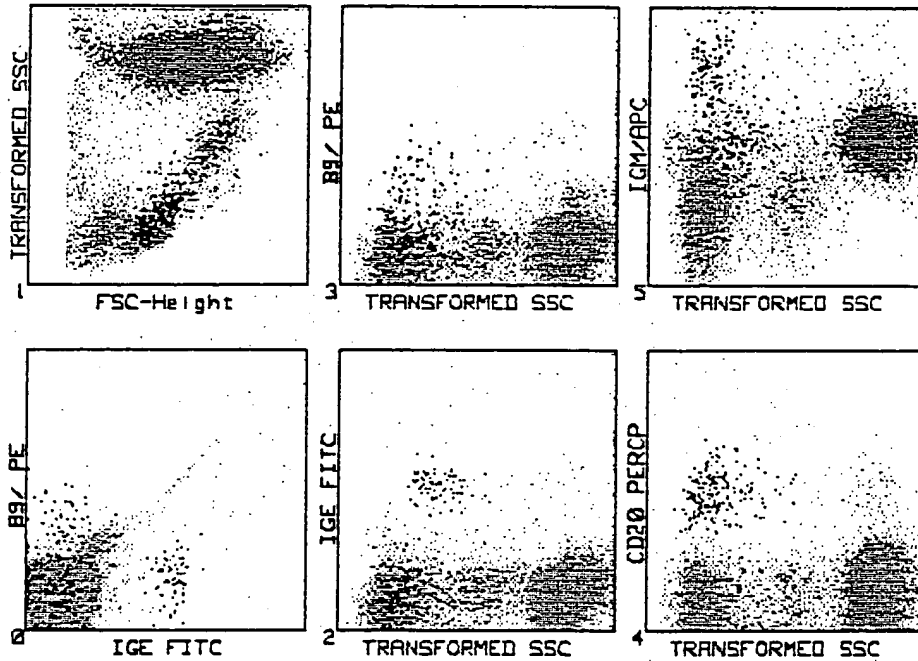
Dots = 15888  
 0 258



Neg.  
Control

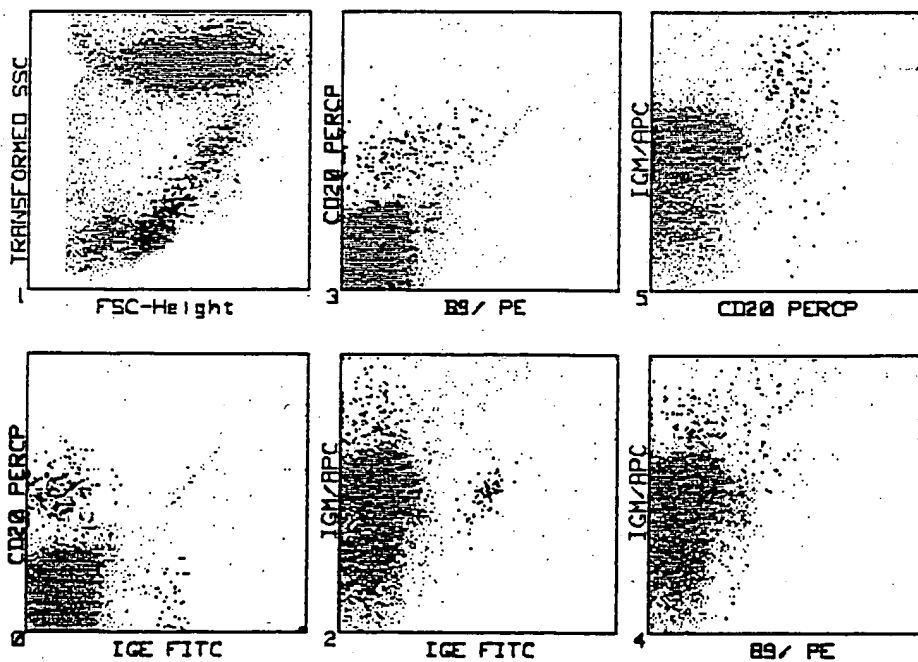
PRINT-A-GATE (TM) Mode  File: #15:MN00104013  
 % = 0.5 0.9 0.0 0.4 0.0 0.0 0.0 98.2  
 RGYBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$""s IE A ^!

Dots = 15000  
 0 0



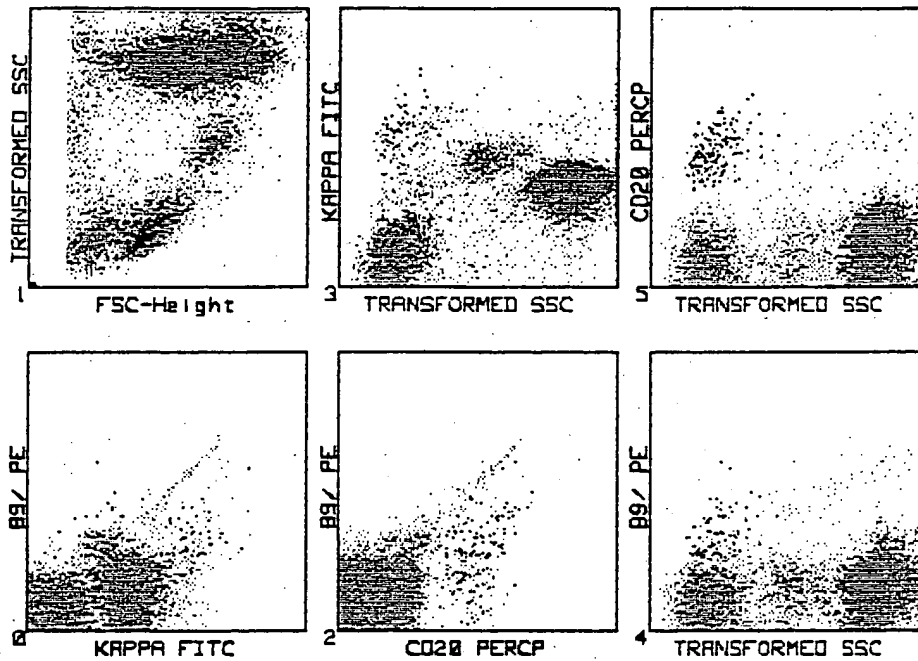
PRINT-A-GATE (TM) Mode  File: #15:MN00104013  
 % = 0.5 0.9 0.0 0.4 0.0 0.0 0.0 98.2  
 RGYBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$""s IE A ^!

Dots = 15000  
 250 0



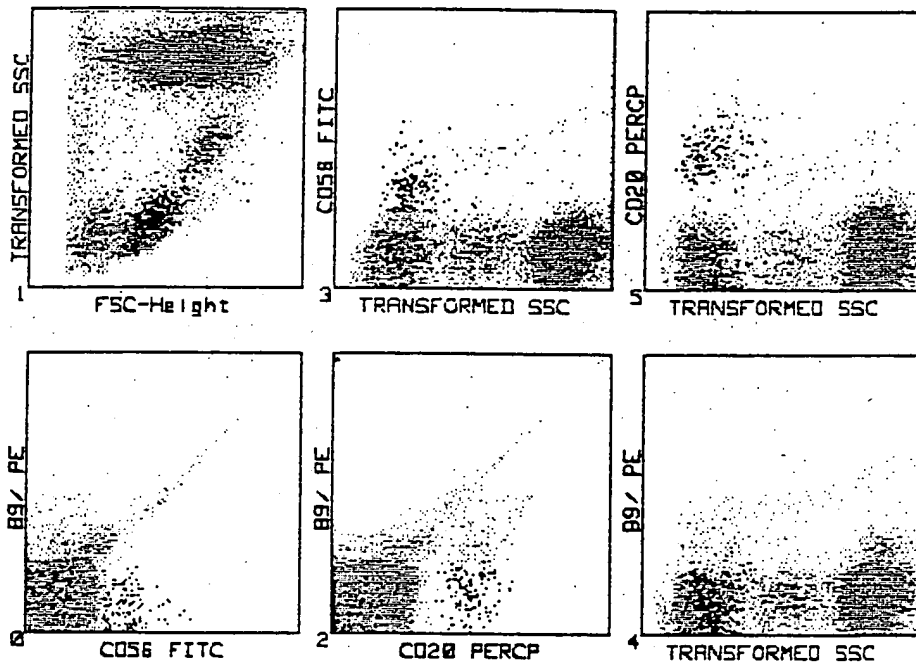
PRINT-A-GATE (TM) Mode ■ File: #15:MN88184815  
 % = 0.3 0.4 0.5 0.2 0.0 0.0 0.0 98.6  
 RGYBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU8~s IE A ^I !!

Dots = 15888  
 0 0



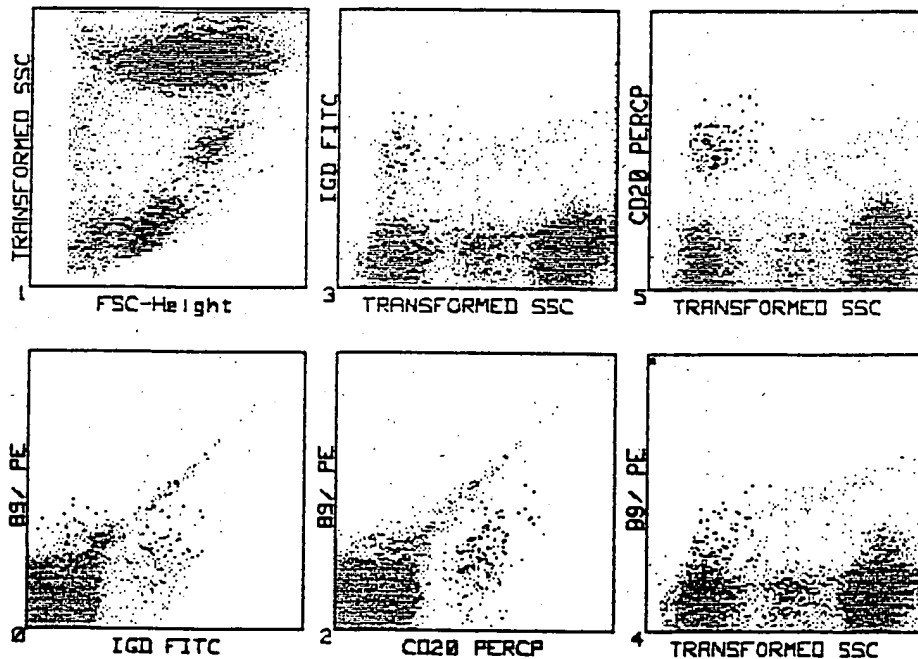
PRINT-A-GATE (TM) Mode ☒ File: #15:MN00104012  
 Z= 1.2 0.9 0.7 0.0 0.0 0.0 0.0 97.2  
 RGVBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$""s IE A ^!

Dots = 15000  
 0 250



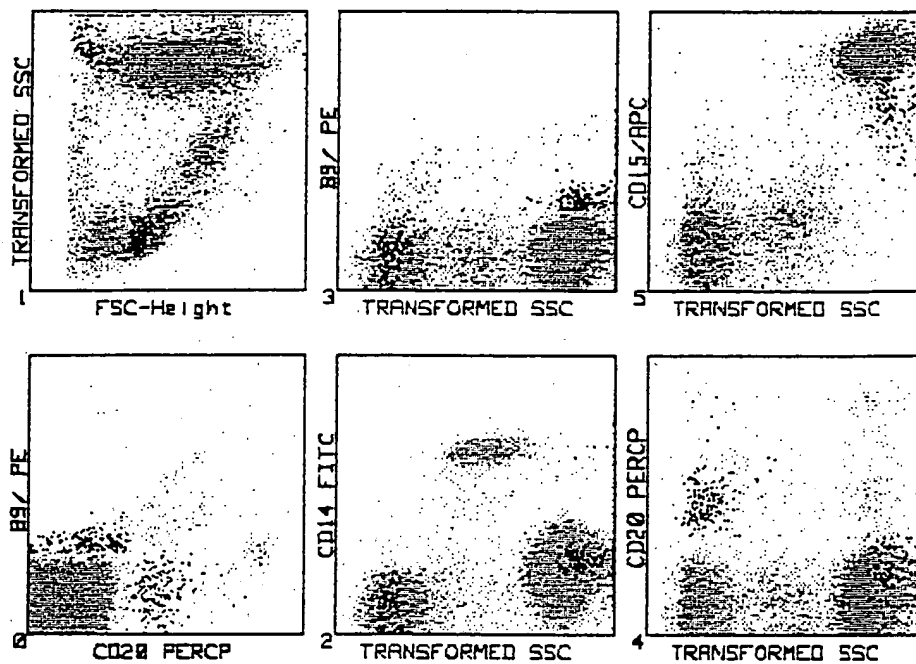
PRINT-A-GATE (TM) Mode ☒ File: #15:MN00104014  
 Z= 0.3 0.1 0.0 0.1 0.0 0.0 0.0 98.7  
 RGVBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$""s IE A ^!

Dots = 15000  
 0 250



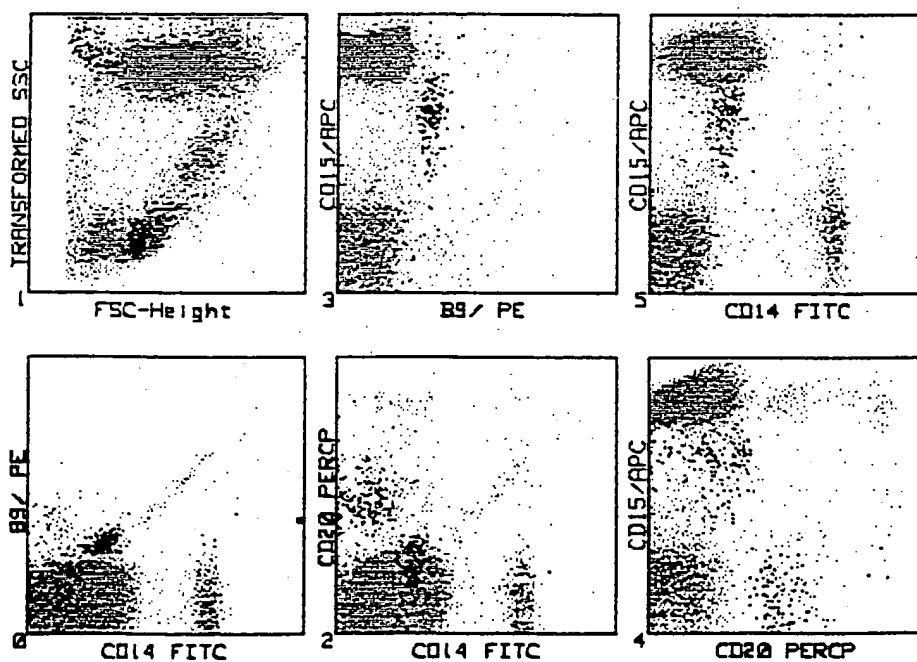
PRINT-A-GATE (TM) Mode ☒ File: #15:MN00104011  
 Z= 1.1 0.0 0.5 1.2 0.0 0.0 0.0 97.2  
 RGYBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$~"s IE 0 ^! !!

Dots = 15000  
 0 4



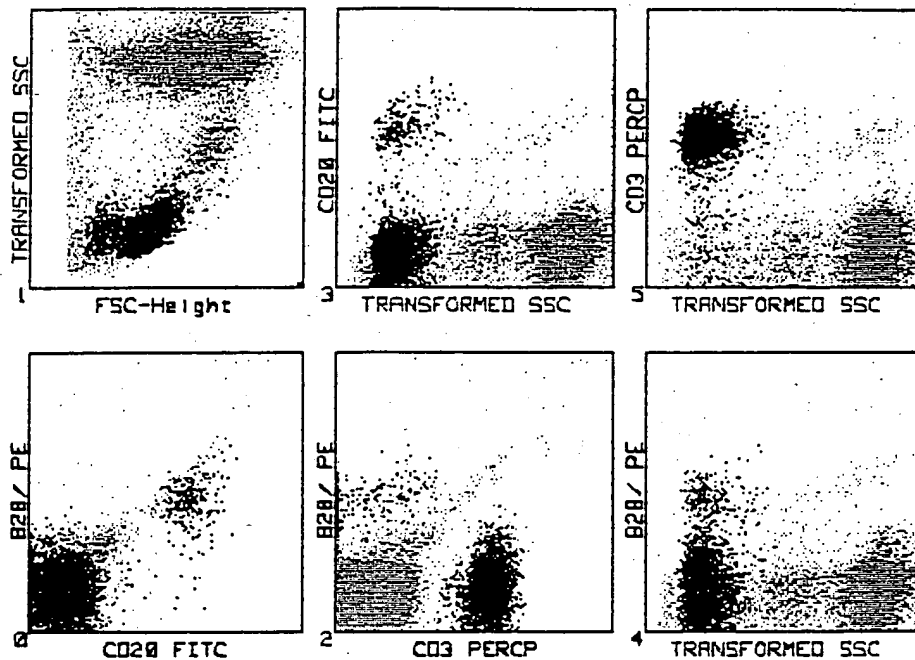
PRINT-A-GATE (TM) Mode ☒ File: #15:MN00104011  
 Z= 1.1 0.0 0.5 1.2 0.0 0.0 0.0 97.2  
 RGYBYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$~"s IE 0 ^! !!

Dots = 15000  
 250 104



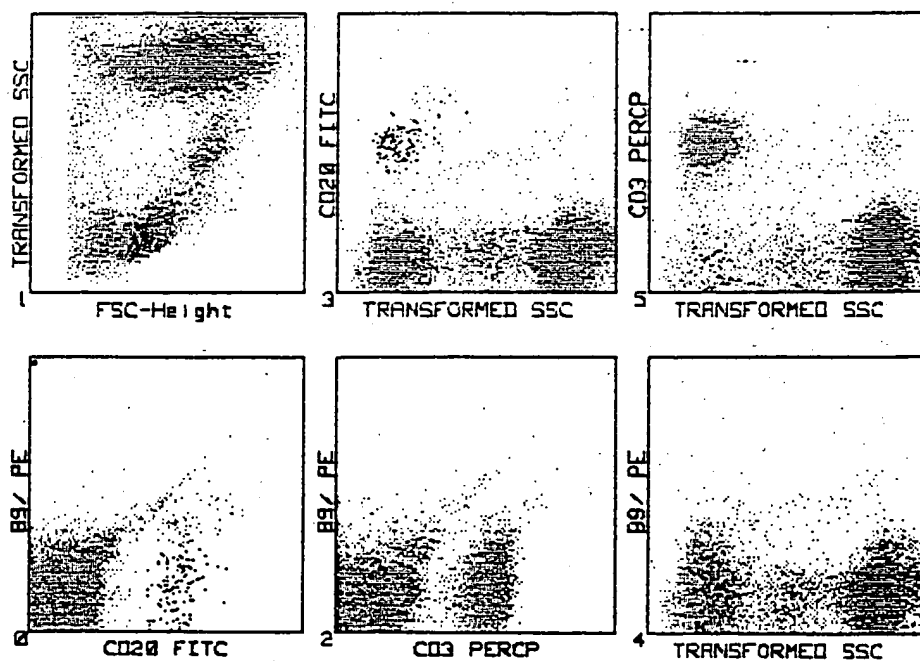
PRINT-A-GATE (TM) Mode ☒ File: #15:MN88184889  
 Z= 1.6 19.6 9.9 0.1 0.0 0.0 0.0 78.9  
 RG:BYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$''s IE A ^!

Dots = 15888  
 258 8



PRINT-A-GATE (TM) Mode ☒ File: #15:MN88184818  
 Z= 0.9 0.0 0.4 0.0 0.0 0.0 0.0 96.7  
 RG:BYCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$''s IE A ^!

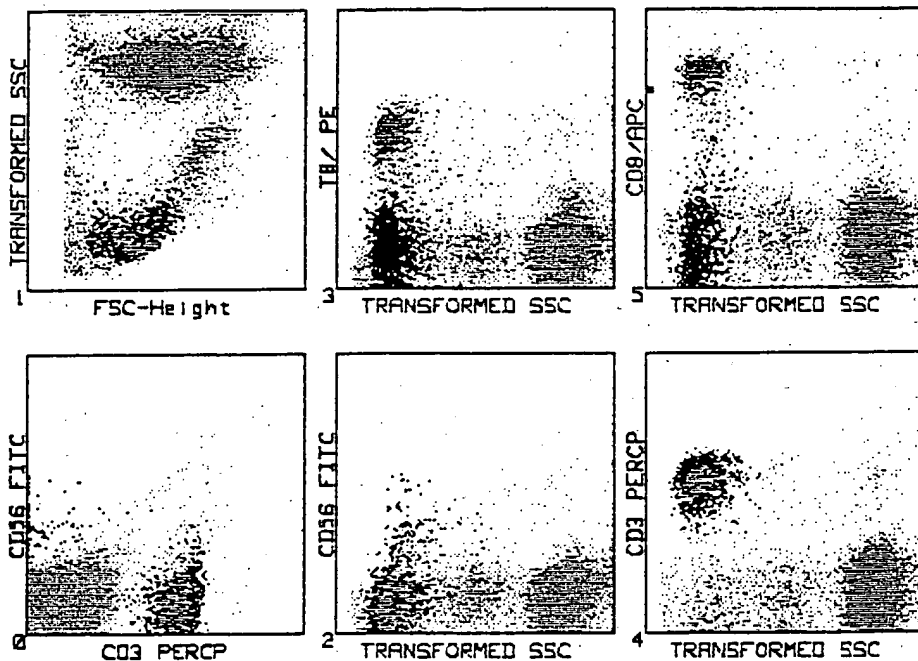
Dots = 15888  
 8 258





PRINT-A-GATE (TM) Mode ☒ File: 15:MN88184888  
 % = 0.4 9.8 6.8 0.1 0.0 0.5 0.0 82.4  
 RGBVCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$""s IE A ^!

Dots = 15888  
 0 182



PRINT-A-GATE (TM) Mode ☒ File: #15:MN88184888  
 % = 0.4 9.8 6.8 0.1 0.0 0.5 0.0 82.4  
 RGBVCWD gate; +- mode; ◇ size  
 0-5 plot; FZHXPMU\$""s IE A ^!

Dots = 15888  
 250 128

